Fall 2013 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0007 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles						
Area 0007	A	12.07						
Rated Item		Maintena	nce Deficiancy	Enforcement		Design & System Obsolescence		
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.01		0.01	0.08%	0.07			
Trim / Thin Trees	0.01		0.01	0.08%				
Encroachments					3.89	0.04		
Animal Control	0.02		0.02	0.17%				
Slope Stability							0.01	
Erosion / Bank Caving	0.06		0.06	0.50%				
Supplemental							<u>'</u>	
USACE Erosion Survey	0.02		0.02	0.17%				
DWR UCIP Field Study					1.79	0.15		
LMA Totals:	0.12	0.00	0.12	0.99%	5.75	0.19	0.01	0.00

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	
	** Non-receipt of Su	ımmer or Winter Inspe	ection Reports may effec	ct overall annual rating
FALL INSPECTIONS: The overall maintena	d using the same criter nce rating shown abo	ria in the spring and in ve is based on operati	the fall.	ficiencies identified
Comments				

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles
Unit No. 01 Feather River	Right	12.07

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/08/2013 - 04/08/2013		10/21/2013 - 10/21/2013	
DWR Inspector	Rick Burnett		Matthew Hoffman	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Sutter Maintenance Yard Maintenance Area 0007											
			Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	tor
			Unit No. 01	Fea	the	River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffma	
Leve	ee Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	ongitude End	No.
1		Earthen Levee	Operations & Maintenance Manuals	CR	A Ma				o o DWR ID: DWR_MA000	o o 07_01_s _ 2013_	1
2		Earthen Levee	Emergency Supplies & Equipment	CR	A Ma				o o DWR ID: DWR_MA000	o o 07 01 s 2013	3
3		Earthen Levee	Flood Preparedness & Training	CR	A Ma				o O DWR ID: DWR_MA000	0	4
4 0.01	1 1.7	3 Earthen Levee	Encroachments	LS	M En	DT : Ditch		-		9.334365 ° 1.633975 °	42 Y
5 0.42	2 0.4	2 Earthen Levee	Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the grof flood fight. Inspector Comments: Remove tree betwe and ditch on landward side.		-	39.316451 ° 3 .121.633837 ° -12		216 Y
⁶ 0.46	6 0.4	6 Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows backfill and compact or grout burrows. Inspector Comments: Rodents holes were no rodents visable at time of inspection.		-		9.317050 ° 1.633331 °	217 Y
7 0.5	1 0.5	1 Earthen Levee	Slope Stability	LS	M Ob	S1 : Repair slope instability. Inspector Comments: The irrigation ditch i encroach into the prism of the levee on the slope.		.9 .0	·121.632855 ° -12		Υ
8 1.2	1 1.2	1 Earthen Levee	Encroachments	WS	U En	BU : Building		-	39.327187 ° 3 -121.632395 ° -12 DWR ID: DWR_MA000	9.327187 ° 1.632395 °	33 Y
9 1.51	1 1.5	1 Earthen Levee	Crown Surface / Depressions / Rutting	CR	A/W Ma	C2 : Repair depressions or ruts in the crow	wn or slo		39.331423 ° 3 -121.633202 ° -12		
¹⁰ 1.54	4 1.5	4 Supplementa	al DWR UCIP Field Study	CR		Inspector Comments: FS_ID:7440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears aband no longer on landward side; wood frame rescour hole present, 3 feet by 3 feet, near v FIELD_STRUCT_DESC: Abandoned 12-in through the levee, 8.2 feet below the crow the landward is no longer present. Concre box at the waterward toe.	emains wood fra nch CM n. Slide	on LS; ame. pipe gate on	39.331934 ° -12	1.633246 °	

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A: Acceptable

M: Minimally Acceptable

U: Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

FS Date: 10/31/2012

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_16

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

			Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No. 01	Feathe	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Z	e Mile	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/	No.
Start	End	catogory	1.0	rion +	, touch geninier			Start	End Photo
11 1.54	1.54	Supplemental	DWR UCIP Field Study	CR M En	Inspector Comments: FS_ID:12983 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears aba is mising on landward side; wood frame scour hole present on LS, 3 feet by 3 fee frame.5/10/2013 Same as last inspectic behind structure needs to be repaired. FIELD_STRUCT_DESC: Abandoned 12 through the levee, 8.2 feet below the cro the landward is no longer present. Conc at the waterward toe. Irrigation ditch loca side. FS Date: 5/10/2013 7:44:30 AM	remains et, near w on. LS so -inch CM wn. Slide rete "U" r	on LS; vood cour I pipe e gate on neadwall	39.331934 ° -12 39.331934 ° -12	21.633246° Y
¹² 1.54	1.54	Supplemental	DWR UCIP Field Study	CR M En	Inspector Comments: FS_ID:7301 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: abandoned; wood frar structure on LS where canal. scour hole exposing headwall. FIELD_STRUCT_DESC: Abandoned 12 through the levee, 8.2 feet below the cro the landward and. Concrete distribution waterward toe. FS Date: 10/31/2012	3 feet by -inch CM wn. Slide	3 feet I pipe e gate on	39.331934 ° -12 39.331934 ° -12	
13 1.54	1.54	Supplemental	DWR UCIP Field Study	CR M En	Inspector Comments: FS_ID:13138 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears aba is mising on landward side; wood frame scour hole present on LS, 3 feet by 3 fee frame.5/10/2013 Same as last inspectic behind structure needs to be repaired.5/	remains et, near w on. LS so	on LŠ; <i>r</i> ood		21.633246 ° 19

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

title 23.

side.

+ Issue Type
Ma : Mainter

SBFCA project recommends replacing in accordance with

FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward is no longer present. Concrete "U" headwall at the waterward toe. Irrigation ditch located on landward

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

FS Date: 5/13/2013 8:13:00 AM

DWR ID: DWR_MA0007_01_f _ 2013_19

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Sutter Maintenance Yard Maintenance Area 0007											
	Waterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor				
Unit No.	01 Feathe	er River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	-				
Levee Mile Category Item	Rating ** + Location *	Action/Comment			GPS Latitude		Issue No. Photo				
Start End Category Remineral 14 1.54 1.54 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7407 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: abandoned; wood frar structure on LS where canal. scour hole exposing headwall. FIELD_STRUCT_DESC: Abandoned 12 through the levee, 8.2 feet below the cro the landward and. Concrete distribution waterward toe. FS Date: 10/31/2012	3 feet by -inch CM wn. Slide	3 feet pipe gate on	Start 39.331934 ° -1 39.331934 ° -1	21.633246°	20				
15 1.54 1.54 Supplemental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:9323 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: crossing appears aba is mising on landward side; wood frame scour hole present on LS, 3 feet by 3 fee frame. FIELD_STRUCT_DESC: Abandoned 12 through the levee, 8.2 feet below the cro the landward is no longer present. Conc at the waterward toe. Irrigation ditch loca side. FS Date: 10/31/2012	remains of the control of the contro	on LS; yood pipe gate on neadwall	39.331934 ° -1 39.331934 ° -1	21.633246°	21				
16 1.54 1.54 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:13124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears aba is mising on landward side; wood frame scour hole present on LS, 3 feet by 3 fee frame.5/10/2013 Same as last inspectic behind structure needs to be repaired.5/ SFBCA project recommends replacing in title 23. FIELD_STRUCT_DESC: Abandoned 12 through the levee, 8.2 feet below the cro the landward is no longer present. Conc at the waterward toe. Irrigation ditch loca side. FS Date: 5/13/2013 8:13:52 AM	remains of the remain	on LS; rood cour ance with pipe gate on neadwall	39.331934 ° -1	21.633246 °	22				
17 1.55 1.55 Supplemental USACE Eros Survey	sion WS M Ma	Inspector Comments: 2011 - The toe of been excavated by the land owner. Smathroughout the site have been filled with substance. Large canal on landside slolevee toe. 2012: Site is part of the extensinspected 2011. [2012 Site ID: FHR_47-47-47-47-47-47-47-47-47-47-47-47-47-4	all holes a plaster be and ov ded inver	like ver the	DWR ID: DWR_MAG 39.334240 ° -121.633908 ° -1	39.332000 °	2				
* Location		+ Issue Type									

LS : Land Side

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

										10/21/2013	ПОШП	3 11
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
18	1.71	1.71	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than from the levee slopes. Inspector Comments: Blackberry bushes levee slope.	_	-	39.334157 ° 39.121.633964 ° -12	9.334157 ° 1.633964 °	220
							·			DWR ID: DWR_MA000	7_01_f _ 2013_	220
19	1.72	1.72	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:9260 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing was installed deepneed permit authorizing work FIELD_STRUCT_DESC: 12 inch irrigation the levee 1 foot below the crown. Crossiside is attached to weir above ground. S waterward side. No opening on waterward FS Date: 10/30/2012	on pipe th ng on lan iphon bre	rough dward	39.334294 ° -12 39.334294 ° -12		23
										DWR ID: DWR_MA000	7_01_f _ 2013_	23
20	1.72	1.72	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:12843 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing was installed deepneed permit authorizing work5/7/2 last inspection. Recommend finding owr FIELD_STRUCT_DESC: 12 inch irrigation the levee 1 foot below the crown. Crossing is attached to weir above ground. Sometime waterward side. No opening on waterward FS Date: 5/7/2013	2013 San ner. on pipe th ng on lan iphon bre	ne as irough dward	39.334294 ° -12 39.334294 ° -12		24
							1 0 Date: 0/1/2010			DWR ID: DWR_MA000	7_01_f _ 2013_	24
21	1.72	1.72	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:9357 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing was installed deepneed permit authorizing work FIELD_STRUCT_DESC: 12 inch irrigative the levee 1 foot below the crown. Crossis side is attached to weir above ground. S waterward side. No opening on waterware FS Date: 10/30/2012	on pipe th ng on lan iphon bre	rough dward	39.334294 ° -12 39.334294 ° -12		25 Y
							2 = 3.0. 10.00.20.2			DWR ID: DWR_MA000	7_01_f _ 2013_	25
							-					

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		Wa		Bank	Unit Miles	Inspection Inspe		ctor	
		Unit No. 01	Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	-
E Levee I	Mile	Item	Rating ** + Location *	Action/Comment			GPS Latitude	e/Longitude	Issue No.
7	End Category	item	tion	Action/Comment			Start	End	Photo
22 1.72	1.72 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:9324 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall rebar ex crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_00 issue listed. FIELD_STRUCT_DESC: 10-inch PVC p inch CM irrigation pipe through the levee the crown. Concrete "U" headwall at the Concrete headwall and slide gate on the Concrete weir in the canal. FS Date: 10/31/2012	dic Inspect 051 howe lipe encase, 7.0 feet waterwa	ctions as ver, no sed in 12- t below rd toe.	39.334336 °' 39.334336 °'	21.634046 °	26
23 1.72	1.72 Supplemental	I DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall rebar ex FIELD_STRUCT_DESC: 10-inch PVC p inch CM irrigation pipe through the levee the crown. Concrete "U" headwall at the Concrete headwall and slide gate on the Concrete weir in the canal. FS Date: 10/31/2012	ipe encas e, 7.0 feet waterwa	t below rd toe.	39.334336° 39.334336° 4	21.634046 °	
²⁴ 1.72	1.72 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:8340 EP_NO: N/A			39.334336 ° -′ 39.334336 ° -′		28

r iola etaay

En EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: WS headwall rebar exposed. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0051 no issue listed. FIELD_STRUCT_DESC: 10-inch PVC pipe encased in 12-inch CM irrigation pipe through the levee, 7.0 feet below the crown. Concrete "U" headwall at the waterward toe. Concrete headwall and slide gate on the landward side.

Concrete weir in the canal. FS Date: 10/31/2012

DWR ID: DWR_MA0007_01_f _ 2013_28

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 01 Feather River	Right 12.07 10/21/2013 Matthew Hoffman
Levee Mile Start End Category Item	Action/Comment
gate from closing. Periodic Inspectior USACE_CESPK_N issues noted. FIELD_STRUCT_I levee, 1 of 2 pipes. the crown. Slide ga waterward slope. C Reinforced concret entry matches the	Jurgent ound Debris inside riser could prevent slide This crossing was listed in the USACE is as ID# MA07_2010_a_0060 however, no DESC: 60-inch drain pipe through the two (2) 60 inch pipes, 12.5 feet below ites in 78-inch CM pipe wells on the concrete bulkhead on both ends. Le spillway an the waterward end. This Drainage or Irrigation Structure I manual (Historic Station 1+90). Inual, 1957)
gate from closing. Periodic Inspectior USACE_CESPK_I MEASURE DIAME FIELD_STRUCT_I levee, 1 of 2 pipes the crown. Slide ga waterward slope. O Reinforced concret entry matches the	Jurgent ound Debris inside riser could prevent slide This crossing was listed in the USACE as as ID# MA07_2010_a_0060 no issues noted. TTER. DESC: 60-inch drain pipe through the two (2) 60 inch pipes, 12.5 feet below ates in 78-inch CM pipe wells on the concrete bulkhead on both ends. The spillway and the waterward end. This Drainage or Irrigation Structure I manual (Historic Station 1+90). The spill was a spil
levee, 1 of 2 pipes the crown. Slide ga waterward slope. O Reinforced concret entry matches the	Jurgent ound nuse DESC: 60-inch drain pipe through the two (2) 60 inch pipes, 12.5 feet below stes in 78-inch CM pipe wells on the Concrete bulkhead on both ends. The spillway an the waterward end. This Drainage or Irrigation Structure manual (Historic Station 1+90).

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit I	No. 01 Feath	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Category Ito	Loc: *				GPS Latitude/L	ongitude Issue
Start End Category Ite	n Rating	Action/Comment			Start	End Photo
²⁸ 1.76 1.76 Supplemental DWR UC Field Stu		Inspector Comments: FS_ID:12845 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser cougate from closing. This crossing was list Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 rissues noted.5/7/2013 Same debris issuinspection. Recommend repairing top copen gate chained and locked so could operation. FIELD_STRUCT_DESC: 60-inch drain plevee, 1 of 2 pipes, two (2) 60 inch pipes the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wate entry matches the Drainage or Irrigation referenced in O&M manual (Historic Sta (USACE O&M Manual, 1957) FS Date: 5/7/2013	ed in the nowever, ue as las over. Whenot verify oipe throus, 12.5 fewer wells of both enderward er Structure	no t neel to gate no the the to below in the s. nd. This	39.334868 ° -12 39.334868 ° -12	1.633773°
29 1.76 1.76 Supplemental DWR UC Field Stu		Inspector Comments: FS_ID:13141 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser cougate from closing. This crossing was list Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 k issues noted.5/7/2013 Same debris issi inspection. Recommend repairing top of falls. Wheel to open gate chained and k not verify gate operation.5/13/2013 SBF recommends replacing in accordance wif FIELD_STRUCT_DESC: 60-inch drain p levee, 1 of 2 pipes, two (2) 60 inch pipes the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wate entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 5/13/2013 8:44:28 AM	ed in the nowever, ue as las over to procked so FCA project the title 23 oil pet through 12.5 fee wells o both enderward er Structure	no t revent could ect	DWR ID: DWR_MA000 39.334868 ° -12 39.334868 ° -12	1.633773 ° 35 1.633773 °

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Water	way		Bank	Unit Miles	Inspection Start/End	Inspec	
			Unit No			er River	Right	12.07	10/21/2013 10/21/2013	Matth Hoffm	
E Leve	e Mile	Category	Item	*	Rating ** +	Action/Comment			GPS Latitude/l	ongitude	Issue No.
Start	End				•	/ totto!# Golfment			Start	End	Photo
30 1.76	1.76	Supplemental	DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:7450 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser co positive closure device to close. FIELD_STRUCT_DESC: 60-inch drain levee, 1 of 2 pipes, two (2) 60 inch pipe: the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wat entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 10/31/2012	pipe throus, 12.5 feet be wells of both end erward er Structure	gh the et below n the s. nd. This	39.334868 ° -12	1.633773°	
									DWR ID: DWR_MA000		
31 1.76	1.76	Supplemental	DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:12846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser co gate from closing. This crossing was list Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 issues noted.5/7/2013 Same debris iss inspection. Recommend repairing top of falls. Wheel to open gate chained and I not verify gate operation. FIELD_STRUCT_DESC: 60-inch drain levee, 1 of 2 pipes, two (2) 60 inch pipes the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wat entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 5/7/2013	however, ue as last cover to procked so bipe throus, 12.5 fee be wells o both end erward er Structure	usace no tevent could gh the et below n the s. d. This	39.334868 ° -12 39.334868 ° -12	1.633773°	
32 4 76	1.76	Cupplemental			S M	Inspector Comments: FC ID:7462			39.334868 ° -12		
1.70	1./0	Supplemental	Field Study	L	S M En	Inspector Comments: FS_ID:7462 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser co gate from closing. FIELD_STRUCT_DESC: 60-inch drain levee, 1 of 2 pipes, two (2) 60 inch pipe: the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wat entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 10/31/2012	oipe throus, 12.5 feetoe wells of both end erward er Structure	gh the et below n the s. nd. This	39.334868 ° -12	1.633773°	

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

DWR ID: DWR_MA0007_01_f _ 2013_41

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

			W	aterw	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
			12.07	10/21/2013 10/21/2013	Matth Hoffm						
 	ee Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitude	/Longitude	Issue No.
Start	End	Calegory	iteiii	tion	ng +	Action/Comment			Start	End	Photo
33 1.76	3 1.76	11 211.1012							39.334868 ° -1		
34 1.76	3 1.76	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7304 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; in use FIELD_STRUCT_DESC: 60-inch drain plevee, 2 of 2 pipes, two (2) 60 inch pipes the crown. Slide gates in 78-inch CM pip waterward sope. Concrete bulkhead on	, 12.5 fee e wells o both end	et below n the s.	DWR ID: DWR_MAC 39.334886 ° -1 39.334886 ° -1	21.633783 °	41

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma · Mainter

Reinforced concrete spillway and the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90).

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

(USACE O&M Manual, 1957) FS Date: 10/31/2012

Rank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

		Wa	terway		Bank	Unit Miles	Start/End	Inspector
		Unit No. 01	Feath	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile	Category	Item	Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
	6 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:8342 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris insid prevent slide gate from closing. This cro the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 MEASURE DIAMETER. FIELD_STRUCT_DESC: 60-inch drain levee, 2 of 2 pipes, two (2) 60 inch pipe: the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wat entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 10/31/2012	pissing was no issues pipe throus s, 12.5 fe poe wells of both end erward en	s listed in noted. Indeed, lighthe et below in the s. Ind. This et al.	39.334886 ° -12 39.334886 ° -12	1.633783 ° 44 1.633783 °
36 1.76 1.7	6 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7408 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; in use FIELD_STRUCT_DESC: 60-inch drain levee, 2 of 2 pipes, two (2) 60 inch pipe: the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wat entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 10/31/2012	s, 12.5 fe be wells o both end erward en Structure	et below on the ls. nd. This	39.334886 ° -12 39.334886 ° -12	1.633783°

Levee Inspection Report By Mile - Fall 2013

	Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspector		
	Unit No. 01 Feather River Right 12.07								
Levee Mile Start End Category	Item	Rating ** + Location	Action/Comment	Action/Comment					
37 1.76 1.76 Supplemental E	uld s listed in no Theel to on could nends Igh the et below in the s. nd. This e)	39.334886 ° -12' 39.334886 ° -12'	1.633783°						
38 1.76 1.76 Supplemental E	OWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7460 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside prevent slide gate from closing. FIELD_STRUCT_DESC: 60-inch drain plevee, 2 of 2 pipes, two (2) 60 inch pipes the crown. Slide gates in 78-inch CM pip waterward slope. Concrete bulkhead on Reinforced concrete spillway an the wate entry matches the Drainage or Irrigation referenced in O&M manual (Historic Sta (USACE O&M Manual, 1957) FS Date: 10/31/2012	pipe throus, 12.5 fee wells of both end erward er Structure	igh the et below in the s. nd. This	39.334886 ° -12' 39.334886 ° -12'	1.633783°		

Levee Inspection Report By Mile - Fall 2013

			Start/End	Inspector			
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman			
Levee Mile Category Item Start End Category Action/Comment		GPS Latitude/Longitude Issue No. Start End Photo					
1.76 1.76 Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Field Study Supplemental DWR UCIP Field Study Field Study Field Study Supplemental DWR UCIP Supplemen							
40 1.76 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris ins prevent slide gate from closing. This of the USACE Periodic Inspections as ID USACE_CESPK_MA07_2010_a_0060 issues noted. FIELD_STRUCT_DESC: 60-inch drain levee, 2 of 2 pipes, two (2) 60 inch pip the crown. Slide gates in 78-inch CM p waterward slope. Concrete bulkhead of Reinforced concrete spillway an the w entry matches the Drainage or Irrigation referenced in O&M manual (Historic S) (USACE_O&M Manual, 1957) FS Date: 10/31/2012	rossing wa # 0 however, pipe through, es, 12.5 fe ipe wells on both end aterward ein Structure	no ugh the et below on the ds. nd. This e	39.334886 ° -12 39.334886 ° -12	1.633783°			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspecto	or
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman	
Levee Mile Category Item Category Action/Comment Action/Comment			GPS Latitude/I	.origitude i	No. Photo
41 1.76 1.76 Supplemental DWR UCIP Field Study Ben Ben Field Study Ben Ben Ben Ben Ben Ben Ben Ben Ben Be	ssing wano issues sipe through, 12.5 fere wells of both enderward er Structure	s listed in noted. Igh the et below on the s. Ind. This et	39.334886 ° -12 39.334886 ° -12		51
1 0 Bate. 10/01/2012			DWR ID: DWR_MA000	7_01_f _ 2013_51	1
42 1.76 1.76 Supplemental DWR UCIP Field Study By Field Study En	nowever, pection. It falls. We operation trecommon treco	no /heel to on could nends ugh the et below on the les. nd. This et	39.334886 ° -12		52
F3 Date: 3/13/2013 0.22.04 AW					

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 01 Feather River	Right 12.07 10/21/2013 Matthew Hoffman
Levee Mile Category Item Category Act	tion/Comment
crossing was listed in the ID# USACE_CESPK_M. gate on WS and half blo FIELD_STRUCT_DESC levee, 6.5 feet below the both toes. Flap gate on the matches the Drainage of the IDP of	39.337408 ° -121.633480 ° Y
levee, 6.5 feet below the both toes. Flap gate on t matches the Drainage o	39.337408 ° -121.633480 °
Periodic Inspections as USACE_CESPK_MA07 gate on WS and half blo CHECK BROKEN FLAP FIELD_STRUCT_DESC levee, 6.5 feet below the both toes. Flap gate on a matches the Drainage o	S_ID:8343

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Manual, 1957) FS Date: 10/31/2012

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_55

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	V	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 0	1 Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End	ategory Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
⁴⁶ 2.10 2.10 Su	pplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM dra the levee, 7.0 feet below the crown. Flap waterward end. This entry matches the I Irrigation Structure referenced in O&M m Station 19+30). (USACE O&M Manual, 7 FS Date: 10/31/2012	gate on Orainage nanual (H	the or	39.339266 ° -12' 39.339266 ° -12'	1.631847° Y
47 2.18 2.24 Ea	rthen Erosion / Bank vee Caving	LS M Ma	E1 : Note and monitor erosion site.		-	39.340345 ° 39.340345 ° -121.631235 ° -121.63125 ° -121.	1.630784 ° Y
48 2.25 2.25 Su	pplemental DWR UCIP Field Study	LS U	Inspector Comments: FS_ID:12849 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward concrete standpipemight be leaking. But present on waterward slope, unable to distructure is still being used. This crossin USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 hissues noted.5/7/2013 Same as last insinvestigate source of WS erosion. FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee 12.7 feet bell Flap gate on the waterward end. Concreat the waterward toe. Second concrete clocated 400-500 feet from landward toe with drainage structure. This entry match or Irrigation Structure referenced in O&M Station 28+00). (USACE O&M Manual, 25 Date: 5/7/2013	urrow act etermine g was lis' nowever, pection. -inch CM low the cl te distrib distributio likely con nes the D I manual	irvity if ted in the no Need to I rown. ution box n box nnected brainage	39.341208 ° -12′ 39.341208 ° -12′	

DWR ID: DWR_MA0007_01_f _ 2013_57

DWR ID: DWR_MA0007_01_f _ 2013_59

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River		Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item ** To a start of the s	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
Field Study En EP_NO: Repair T Crossing UCIP Cr concrete present structure USACE USACE issues n FIELD_! drainpip Flap gat at the w located with dra or Irrigal Station :	/pe: Urgent Status: Found mments: Erosion on waterward standpipemight be leaking. Even waterward slope, unable to a still being used. This crossion of the control of the	Burrow act determine and was list however, 4-inch CM ellow the case distribution likely conthes the DM manual	itivity if ted in the no I rown. ution box n box nnected brainage	39.341208 ° -12 39.341208 ° -12	1.630773°
Field Study En EP_NO: Repair 1 Crossing UCIP Co slope, u FIELD_: drainpip Flap gat at the w located with dra or Irrigal Station 2	Comments: FS_ID:7481 N/A N/A N/Pe: Non-Urgent Status: Found mments: Burrow activity prese able to determine if structure i TRUCT_DESC: Abandoned 2 through the levee 12.7 feet be on the waterward end. Concreterward toe. Second concrete 00-500 feet from landward toe nage structure. This entry mate on Structure referenced in O& 8+00). (USACE O&M Manual, 10/31/2012	s still bein 4-inch CM elow the cleate distributio likely con thes the D M manual	g used. I rown. ution box n box inected orainage	39.341208 ° -12 39.341208 ° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

			W	/aterway	′		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
			Unit No. 0	1 Feath	he	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	
Lev No. Star	rt End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	No.
51 2.2	25 2.25	Supplemental	DWR UCIP Field Study		U En	Inspector Comments: FS_ID:13133 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward concrete standpipemight be leaking. B present on waterward slope, unable to d structure is still being used. This crossin USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 issues noted.5/7/2013 Same as last ins investigate source of WS erosion.5/13/2 project recommends removal. FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee 12.7 feet be Flap gate on the waterward end. Concrete at the waterward toe. Second concrete of located 400-500 feet from landward toe with drainage structure. This entry matc or Irrigation Structure referenced in O&M Station 28+00). (USACE O&M Manual, FS Date: 5/13/2013 8:31:41 AM	urrow act letermine g was list mowever, spection. I lo13 SFE l-inch CM low the crite distribution likely connes the D manual	ivity if ied in the no Need to BCA rown. ution box n box nected rainage	39.341208 ° -12 39.341208 ° -12	1.630773°	Y
52 2.2	25 2.25	Supplemental	DWR UCIP Field Study	LS I		Inspector Comments: FS_ID:13146 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward concrete standpipemight be leaking. B present on waterward slope, unable to d structure is still being used. This crossin USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 I issues noted.5/7/2013 Same as last ins investigate source of WS erosion.5/13/2 project recommends removal. FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee 12.7 feet be Flap gate on the waterward end. Concre at the waterward toe. Second concrete of located 400-500 feet from landward toe with drainage structure. This entry mach	urrow act letermine g was list mowever, spection. I cold SBF l-inch CM low the created distribution likely connes the D	ivity if ied in the no Need to CCA rown. ution box n box nected rainage	39.341208 ° -12 39.341208 ° -12		61

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma · Mainter

or Irrigation Structure referenced in O&M manual (Historic

Station 28+00). (USACE O&M Manual, 1957)

FS Date: 5/13/2013 8:31:00 AM

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_61

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Wa	terway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile	* Ration/Comme	.4		GPS Latitude/L	ongitude Issue No.
Start End Category Item	* at * fing Action/Comme	ıt		Start	End Photo
53 2.25 2.25 Supplemental DWR UCIP Field Study	LS U Inspector Comments: FS_ID:8345 En_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterw concrete standpipemight be leaking present on waterward slope, unable structure is still being used. This cro: USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_00 FIELD_STRUCT_DESC: Abandoned drainpipe through the levee 12.7 feet Flap gate on the waterward end. Cor at the waterward toe. Second concre located 400-500 feet from landward if with drainage structure. This entry m or Irrigation Structure referenced in 0 Station 28+00). (USACE O&M Manu FS Date: 10/31/2012	Burrow ac o determine sing was lis 5 no issues 24-inch CM below the corete distribution de distribution be likely coretiches the I &M manua	tivity if ted in the s noted. frown. ution box in box incetted orainage	39.341208 ° -12' 39.341208 ° -12'	
				DWR ID: DWR_MA000	7_01_f _ 2013_62
54 2.25 2.25 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7406 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity pre located 300 feet west of levee likely structure. FIELD_STRUCT_DESC: Abandoned drainpipe through the levee 12.7 feet Flap gate on the waterward end. Cor at the waterward toe. This entry mate Irrigation Structure referenced in O& Station 28+00). (USACE O&M Manu FS Date: 10/31/2012	24-inch CN below the c crete distrib hes the Dra // manual (H	o 1 rown. ution box inage or	39.341208 ° -12' 39.341208 ° -12'	1.630773 °
				DWR ID: DWR_MA000	7_01_f _ 2013_63
55 2.37 2.37 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:13134 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit author work.5/7/2013 Need to find owner o structure.5/13/2013 Permit number detailed report book. FIELD_STRUCT_DESC: Air vac on protected by two metal posts. No oth encroachment are present. FS Date: 5/13/2013 8:33:27 AM	and owner invaterward s		39.342859 ° -12' 39.342859 ° -12'	1.629909°

Deals Unit Miles Inspection Inspection

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

					Water	way		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No.	. 01 Fe	eathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	-
LMR No.	Levee	Mile	Category	Item	*	Rating ** + Location	Action/Comment			GPS Latitude/	_ongitude	Issue No. Photo
56	2.37	2.37	Supplementa	DWR UCIP Field Study		S M En	Inspector Comments: FS_ID:9261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizi FIELD_STRUCT_DESC: Air vac on wat- protected by two metal posts. No other sencroachment are present. FS Date: 10/30/2012	erward sh	noulder	39.342859 ° -12 39.342859 ° -12		65
							1 6 Bate. 16/66/2012			DWR ID: DWR_MA00	07_01_f _ 2013_	_65
57	2.37	2.37	Supplementa	al DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:12850 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizi work.5/7/2013 Need to find owner of str FIELD_STRUCT_DESC: Air vac on wat protected by two metal posts. No other s encroachment are present. FS Date: 5/7/2013	ucture. erward sh	noulder	39.342859 ° -12 39.342859 ° -12	1.629909°	
58	2.37	2.37	Supplementa	al DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:9352 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizi FIELD_STRUCT_DESC: Air vac on wat protected by two metal posts. No other sencroachment are present. FS Date: 10/30/2012	erward sh	noulder	39.342859 ° -12	1.629909 °	67
										DWR ID: DWR_MA00	07_01_f _ 2013_	_67
59	2.57	2.57	Supplementa	al DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:12851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be due to soil cover. Sediment build up on I		not visible	39.345638 ° -12 39.345638 ° -12		68

* Location	** Rating
LS : Land Side	A : Acceptable
WS : Water Side	M : Minimally Acceptable
CR : Crown	U : Unacceptable A

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Manual, 1957) FS Date: 5/7/2013

> + Issue Type Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

headwall--clear. This crossing was listed in the USACE

USACE_CESPK_MA07_2010_a_0083 for inoperable gate.5/7/2013 WS sediment blocking gate has been cleared so gate can operate normally. Recommend clearing sediment buildup at mouth of pipe on LS. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M

Periodic Inspections as ID#

DWR ID: DWR_MA0007_01_f _ 2013_68

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 01 Feather River	Unit No. 01 Feather River Right 12.07						
Levee Mile Category Item Start End Category Action/Comment Action/Comment Start End Category Start Categ	Action/Comment						
due to soil cover FIELD_STRUCT_DESC: 24-inch CM pi levee, 6.7 feet below the crown. Flap ga waterward end. Concrete headwall at bo matches the Drainage or Irrigation Struc	M Inspector Comments: FS_ID:7409 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957)						
due to soil cover. Sediment build up on headwallclear. This crossing was listed Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 FIELD_STRUCT_DESC: 24-inch CM pillevee, 6.7 feet below the crown. Flap gawaterward end. Concrete headwall at bot matches the Drainage or Irrigation Structure.	En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover. Sediment build up on landward headwallclear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957)						
62 2.57 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:7311 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be due to soil cover FIELD_STRUCT_DESC: 24-inch CM pi levee, 6.7 feet below the crown. Flap ga waterward end. Concrete headwall at b matches the Drainage or Irrigation Struc O&M manual, 1957) FS Date: 10/31/2012	pe throug ate on the oth toes. To cture refer	h the This entry renced in	DWR ID: DWR_MA000 39.345638 ° -12 39.345638 ° -12	1.629607 ° 71 1.629607 °			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit N	. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item	* Rating Action/	Comment		GPS Latitude/L	ongitude Issue No. End Photo
63 2.57 2.57 Supplemental DWR UCII Field Study	• -	vall may be present uild up on landward gwas listed in the U0_a_0083 for inope inch CM pipe through. Flap gate on the dwall at both toes, pation Structure refe	I JSACE rable gh the : This entry	39.345638 ° -12: 39.345638 ° -12:	1.629607°
64 2.57 2.57 Supplemental DWR UCIF	·	rall may be present build up on landward g was listed in the LO_a_0083 for inope blocking gate has lormally. Recommouth of pipe on trecommends replainch CM pipe throug who is labeled at both toes. pation Structure refer 44+50). (USACE	rable peen end end in the end entry enced in entry erenced in	39.345638 ° -12' 39.345638 ° -12'	
65 2.74 2.74 Supplemental DWR UCIF	•	ate pipe on landside inch CM drain pipe crown. Slide gate ird slope. This entry ucture referenced ir	through in 36-inch matches O&M	DWR ID: DWR_MA000 39.347977 ° -12 39.347977 ° -12	1.630337 ° 74

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0007_01_f _ 2013_74

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

					Wate	erwa	ay		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No.	01 F	Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
LMR No.	Levee	Mile End	Category	Item		Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
66	2.74	2.74	Supplementa	DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:12781 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-re Unable to locate pipe on landward side. listed in the USACE Periodic Inspections USACE_CESPK_MA07_2010_a_0090 is issues noted.5/7/2013 Same as last ins activity near crossing, need to repair rod FIELD_STRUCT_DESC: 24-inch CM dr. the levee, 25.5 feet below the crown. Sli CM pipe riser on the waterward slope. T the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 5/7/2013 2:40:11 PM	This cross as ID# nowever, pection, lent hole ain pipe to de gate in his entry enced in	no rodent on WS hrough n 36-inch matches O&M	39.347977 ° -12′ 39.347977 ° -12′	.630337 °
67	2.74	2.74	Supplementa	DWR UCIP Field Study		LS		Inspector Comments: FS_ID:9335 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-re Unable to locate pipe on landward side. listed in the USACE Periodic Inspections USACE_CESPK_MA07_2010_a_0090 issues noted. FIELD_STRUCT_DESC: 24-inch CM dr. the levee, 25.5 feet below the crown. Sli CM pipe riser on the waterward slope. T the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 10/31/2012	This cross as ID# nowever, ain pipe to the gate in his entry enced in	no hrough n 36-inch matches O&M	39.347977 ° -12′ 39.347977 ° -12′	.630337 ° 76 .630337 °
68	2.74	2.74	Supplementa	DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:13074 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-re Unable to locate pipe on landward side. listed in the USACE Periodic Inspections USACE_CESPK_MA07_2010_a_0090 h issues noted.5/7/2013 Same as last ins activity near crossing, need to repair rod FIELD_STRUCT_DESC: 24-inch CM dr. the levee, 25.5 feet below the crown. Sli CM pipe riser on the waterward slope. T the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 5/7/2013 2:40:00 PM	This cross as ID# nowever, spection, lent hole ain pipe tide gate ir his entry enced in	no rodent on WS hrough n 36-inch matches O&M	DWR ID: DWR_MA000 39.347977 ° -12' 39.347977 ° -12'	1.630337 ° 77 1.630337 °

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		Wat	erway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
		Unit No. 01	Feathe	er River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffma	
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude End	Issue No. Photo
69 2.74 2.74	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:13073 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-re Unable to locate pipe on landward side. listed in the USACE Periodic Inspection USACE_CESPK_MA07_2010_a_0090 issues noted.5/7/2013 Same as last ins activity near crossing, need to repair roc FIELD_STRUCT_DESC: 24-inch CM dr the levee, 25.5 feet below the crown. SI CM pipe riser on the waterward slope. T the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 5/7/2013 2:40:00 PM	This cross as ID# however, spection, lent hole cain pipe to de gate in this entry renced in	no rodent on WS hrough n 36-inch matches O&M	39.347977 ° -12 39.347977 ° -12		78
				1 6 Bato. 6/1/2010 2: 10:00 1 til			DWR ID: DWR_MA000	07_01_f _ 2013_	_78
70 2.74 2.74	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7500 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to locate pipe damage to CMP riser FIELD_STRUCT_DESC: 24-inch CM dr the levee, 25.5 feet below the crown. SI CM pipe riser on the waterward slope. T the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 10/31/2012	ain pipe to de gate in his entry renced in	hrough n 36-inch matches O&M	39.347977 ° -12 39.347977 ° -12	1.630337°	
							DWR ID: DWR_MA000	07_01_f _ 2013_	_79
71 2.74 2.74	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7501 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to locate pipe damage to CMP riser FIELD_STRUCT_DESC: 24-inch CM dr the levee, 25.5 feet below the crown. SI CM pipe riser on the waterward slope. T the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 10/31/2012	ain pipe to de gate in his entry renced in	hrough n 36-inch matches O&M	39.347977 ° -12 39.347977 ° -12	1.630337°	Y

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Wate	erwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No.	01 F	-ea	the	River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee	e Mile End	Category	Item		Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
⁷² 2.74	2.74	Supplemental	DWR UCIP Field Study		LS	M	Inspector Comments: FS_ID:13148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-re Unable to locate pipe on landward side. listed in the USACE Periodic Inspections USACE_CESPK_MA07_2010_a_0090 fissues noted.5/7/2013 Same as last ins activity near crossing, need to repair rod WS.5/13/2013 SBFCA project recomme accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM dra the levee, 25.5 feet below the crown. Sli CM pipe riser on the waterward slope. To the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 5/13/2013 8:51:16 AM	This cross as ID# nowever, pection, pent hole cends relaced in pipe to the gate in his entry enced in	no rodent on cing in hrough n 36-inch matches O&M	39.347977 ° -121 39.347977 ° -121	.630337 °
73 2.74	2.74	Supplemental	DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:8347 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-re Unable to locate pipe on landward side. listed in the USACE Periodic Inspections USACE_CESPK_MA07_2010_a_0090 r FIELD_STRUCT_DESC: 24-inch CM dra the levee, 25.5 feet below the crown. Sli CM pipe riser on the waterward slope. To the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 10/31/2012	This cross as ID# no issues ain pipe to de gate in his entry enced in	noted. hrough n 36-inch matches O&M	39.347977 ° -121 39.347977 ° -121	.630337 °
74 2.74	2.74	Supplemental	DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:7313 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: did not locate pipe on FIELD_STRUCT_DESC: 24-inch CM dra the levee, 25.5 feet below the crown. Sli CM pipe riser on the waterward slope. Ti the Drainage or Irrigation Structure refer manual (Historic Station 52+50). (USAC 1957) FS Date: 10/31/2012	ain pipe t de gate ir his entry enced in	n 36-inch matches O&M	39.347977 ° -121 39.347977 ° -121	.630337 ° 83 .630337 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Wat	erway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item	*Rating + Ration/Comment			GPS Latitude/L	ongitude Issue No. End Photo
75 2.83 2.83 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7314 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: combine w/ LM 2.82 p FIELD_STRUCT_DESC: One (1) of two 1-18 inch pipes under this permit. 12-inc and lined steel sewer pipe sleeved throu inch CM pipe. Annular space pressure g diameter reinforced concrete pipe riser is waterward side. (Permit No. 5722-1968) FS Date: 10/31/2012	(2), 1-12 in the cement of the existence of the existence of the existence of the content of the existence o	nch and coated sting 24- 36 inch	39.349158 ° -12' 39.349158 ° -12'	
				DWR ID: DWR_MA000	7_01_f _ 2013_84
76 2.83 2.83 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:9336 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: dense burrow activity slopes; FIELD_STRUCT_DESC: 1-12 inch ceme lined steel sewer pipe sleeved through the CM pipe. Annular space pressure grouted diameter reinforced concrete pipe riser is waterward side. (Permit No. 5722-1968) inch CMP matches the Drainage or Irrigar referenced in the O&M manual (historic susacce of USACE O&M Manual, 1957) 24-inch CM through levee at a depth of 21.4 feet belowed Slide gate in 36-inch reinforced concrete on the waterward slope. Crossing 2 of 2 3.35 entry. FS Date: 10/31/2012	ent coated ne existing d. A 36 ind s located of The existination struct station 56- I pipe goes ow the cro	l and l 24-inch ch on the ing 24- ture +90, s own.	39.349158 ° -12'	
				DWR ID: DWR_MA000	7_01_f _ 2013_85
77 2.83 2.83 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7411 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: combine w/ LM 2.82 p FIELD_STRUCT_DESC: One (1) of two 1-18 inch pipes under this permit. 12-inc and lined steel sewer pipe sleeved throu inch CM pipe. Annular space pressure g diameter reinforced concrete pipe riser is waterward side. (Permit No. 5722-1968) FS Date: 10/31/2012	(2), 1-12 in the cement of the existence of the existence of the existence of the content of the existence o	nch and coated sting 24- 36 inch	39.349158 ° -12' 39.349158 ° -12'	1.630354°
				DWR ID: DWR_MA000	7_01_f _ 2013_86

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Waterway	у		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 Feather River Right 12.07								10/21/2013 10/21/2013	Matthew Hoffman
Leve Start	Levee Mile Category Item Category Action/Comment Action/Comment								GPS Latitude/L	ongitude Issue No. End Photo
⁷⁸ 2.83	3 2.83	Supplemental	DWR UCIP Field Study		M En	Inspector Comments: FS_ID:12783 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: dense burrow activity slopes;5/7/2013 Same as last inspectio drop above concrete stand pipe. Coordir and levee inspector to address issue. FIELD_STRUCT_DESC: 1-12 inch cem lined steel sewer pipe sleeved through tl CM pipe. Annular space pressure groute diameter reinforced concrete pipe riser is waterward side. (Permit No. 5722-1968) inch CMP matches the Drainage or Irrigareferenced in the O&M manual (historic USACE O&M Manual, 1957) 24-inch CM through levee at a depth of 21.4 feet bel Slide gate in 36-inch reinforced concrete on the waterward slope. Crossing 2 of 2 3.35 entry. FS Date: 5/7/2013 2:49:17 PM	n. WS snate with ent coate ne existing d. A 36 is located The existation strustation 50 m pipe goow the crepipe rise	ediment owner d and g 24-inch nch on the titing 24- cture 5+90, es own.	39.349158 ° -12'	
79 2.83	3 2.83	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7515 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: dense burrow activity slopes; FIELD_STRUCT_DESC: 1 of 2: 1-12 inc and lined steel sewer pipe sleeved throu inch CM pipe. Annular space pressure g diameter reinforced concrete pipe riser i waterward side. (Permit No. 5722-1968) inch CMP matches the Drainage or Irrigareferenced in the O&M manual (historic USACE O&M Manual, 1957) 24-inch CM through levee at a depth of 21.4 feet bel Slide gate in 36-inch reinforced concrete on the waterward slope. Crossing 2 of 2 3.35 entry. FS Date: 10/31/2012	ch cemen igh the ex- routed. As s located The exis ation stru station 56 d pipe goo ow the cr	at coated disting 24- 36 inch on the ting 24- cture 6+90, es own. er located	DWR ID: DWR_MA000 39.349158 ° -12' 39.349158 ° -12'	1.630354 ° 88 1.630354 °

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Wa	aterwa	ay		Bank Unit Mile			Inspector
				Unit No. 01	Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
80	2.83	2.83	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:13149 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: dense burrow activity slopes;5/7/2013 Same as last inspectio drop above concrete stand pipe. Coordi and levee inspector to address issue.5/ project recommends relacing in accorda FIELD_STRUCT_DESC: 1-12 inch cem lined steel sewer pipe sleeved through ti CM pipe. Annular space pressure groute diameter reinforced concrete pipe riser i waterward side. (Permit No. 5722-1968) inch CMP matches the Drainage or Irrig referenced in the O&M manual (historic USACE O&M Manual, 1957) 24-inch CM through levee at a depth of 21.4 feet bel Slide gate in 36-inch reinforced concrete on the waterward slope. Crossing 2 of 2 3.35 entry. FS Date: 5/13/2013 8:52:06 AM	on. WS snate with 13/2013 ince with ent coate he existing ed. A 36 is located in the existing station structures the creepipe rise	ediment owner SBFCA titile 23. d and g 24-inch nch on the titing 24- cture 6+90, es own.	39.349158 ° -12 39.349158 ° -12	1.630354°
81	2.83	2.83	Earthen Levee	Slope Stability	WS	A Ma	S3 : Repair the levee slope damaged by prevent access where possible.	vehicle t		39.349263 ° 3 -121.630384 ° -12 DWR ID: DWR_MA000	
82	2.83	2.83	Earthen Levee	Slope Stability	LS	A Ma	S3 : Repair the levee slope damaged by prevent access where possible.	vehicle t		39.349264 ° 3 -121.630384 ° -12 DWR ID: DWR_MA000	
83	2.88	2.88	Earthen Levee	Encroachments	LS	M En	PI : Pipe Inspector Comments: 24 inch pipe L/S to levee.	oe paralle	el with -	39.349857 ° 3 -121.630632 ° -12	
84	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9337 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine i been ultered, will need to coordinate witl This crossing was listed in the USACE F as ID# USACE_CESPK_MA07_2010_a, no issues reported. FIELD_STRUCT_DESC: 24-inch CM dr the levee, 15.3 feet below the crown. A r concrete pipe riser located on the water gate inside riser on the waterward end. sleeved through 24-inch pipe. (USACE of 1957) FS Date: 10/31/2012	h levee in Periodic II _0104 ho ainpipe the reinforced ward side 12-inch pi	spector. nspection wever, nrough d. Flap pe	39.352159 ° -12 39.352159 ° -12	1.631209°

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Wa	aterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Category Item	* ** ** ** ** ** ** ** ** ** ** ** ** *	t		GPS Latitude/L	ongitude Issue No. End Photo
85 3.04 3.04 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determin been ultered, will need to coordinate v FIELD_STRUCT_DESC: 24-inch CM the levee, 15.3 feet below the crown. concrete pipe riser located on the wat gate inside riser on the waterward end sleeved through 24-inch pipe. (USACI 1957) FS Date: 10/31/2012	vith levee in drainpipe th A reinforced erward side . 12-inch p	nspector. nrough d e. Flap ipe	39.352159 ° -12' 39.352159 ° -12'	1.631209° 91 1.631209°
86 3.04 3.04 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7315 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM the levee, 15.3 feet below the crown. waterward end. 12-inch pipe sleeved (USACE O&M Manual, 1957) FS Date: 10/31/2012	Flap gate o	n the	39.352159 ° -12′ 39.352159 ° -12′	1.631209 ° 92 1.631209 °
87 3.04 3.04 Supplemental DWR UCIP Field Study	LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determin been ultered, will need to coordinate w This crossing was listed in the USACI as ID# USACE_CESPK_MA07_2010 reported. FIELD_STRUCT_DESC: 24-inch CM the levee, 15.3 feet below the crown. concrete pipe riser located on the wat gate inside riser on the waterward end sleeved through 24-inch pipe. (USACI 1957) FS Date: 10/31/2012	with levee in Experiodic II a_0104 no drainpipe the Areinforced erward side . 12-inch p	nspector. nspection issues nrough d s. Flap ipe	39.352159 ° -12' 39.352159 ° -12'	1.631209° 93 1.631209° Y
88 3.04 3.04 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7412 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM the levee, 15.3 feet below the crown. waterward end. 12-inch pipe sleeved (USACE O&M Manual, 1957) FS Date: 10/31/2012	lap gate o	n the	39.352159 ° -12 ⁻ 39.352159 ° -12 ⁻	1.631209 ° 94 1.631209 °
* Looding	. 10			DWR ID: DWR_MA000	7_01_f _ 2013_94
* Location ** Rating LS : Land Side A : Acceptable	+ Issue Type N : Not Inspected/Rated Ma : Mainten	nce Deficianc	,		

LS: Land Side

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	ditter mairi	itoi	ance faro maintenanc					
	Waterv	vay		Bank	Unit Miles	Inspection Start/End	Inspec	
	Unit No. 01 Fe	athe	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	
Levee Mile Start End Category	Item * 8	Rating	Action/Comment			GPS Latitude/I	ongitude End	Issue No. Photo
89 3.04 3.04 Supplemental E	OWR UCIP LS	S M En	Inspector Comments: FS_ID:12852 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if been ultered, will need to coordinate with This crossing was listed in the USACE F as ID# USACE_CESPK_MA07_2010_a_ no issues reported.5/7/2013 Structure of ba altered. Contact Levee Ispector to pu FIELD_STRUCT_DESC: 24-inch CM dra the levee, 15.3 feet below the crown. A r concrete pipe riser located on the waterw gate inside riser on the waterward end. 1 sleeved through 24-inch pipe. (USACE C) 1957) FS Date: 5/7/2013	n levee in levee in levee in levee in leve level	spector. espection wever, ear to V. erough I. Flap pe	39.352159 ° -12 39.352159 ° -12	1.631209°	
90 3.04 3.04 Supplemental E	OWR UCIP LS	S M En	Inspector Comments: FS_ID:13150 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if been ultered, will need to coordinate with This crossing was listed in the USACE F as ID# USACE_CESPK_MA07_2010_a no issues reported.5/7/2013 Structure of be altered. Contact Levee Ispector to pu NOV.5/13/2013 SBFCA project recomm accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM dra the levee, 15.3 feet below the crown. A r concrete pipe riser located on the waterw gate inside riser on the waterward end. 1 sleeved through 24-inch pipe. (USACE of 1957) FS Date: 5/7/2013	n levee in Periodic Ir _0104 ho loes appearsue lends relation ainpipe the reinforced ward side 12-inch pi	spector. aspection wever, ear to acing in arough . Flap pe	39.352159 ° -12 39.352159 ° -12		
			13 Date: 3/1/2013			DWR ID: DWR_MA000	07_01_f _ 2013_	_96
⁹¹ 3.34 3.34 Supplemental E	OWR UCIP LS	S M En	Inspector Comments: FS_ID:7517 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetrationn present at both sides of the levee to prev crossing. Marker on waterward side is de FIELD_STRUCT_DESC: Two (2) of two 1-18 inch pipes under this permit. 18-inch pipe through the levee, 2.8 feet below th thrust block for cutoff walls on both shou breaker in concrete pipe riser on the wat Pipe crosses river and discharges into se left bank overflow area. (Permit No. 5722 FS Date: 10/31/2012	vent dam amaged. (2), 1-12 h cast irc e crown. Ilders. Sip erward si ewer pon	inch and on sewer Concrete ohon houlder.	39.354549 ° -12 39.354549 ° -12		

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_97

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterwa	у	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Fea	ther River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman		
Levee Mile Start End Category Item	Action/Comment	Action/Comment					
92 3.34 3.34 Supplemental DWR UCIP LS Field Study	En EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Two (2) of two 1-18 inch pipes under this permit. 18-inc pipe through the levee, 2.8 feet below the thrust block for cutoff walls on both sho breaker in concrete pipe riser on the wa Pipe crosses river and discharges into s	Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: FIELD_STRUCT_DESC: Two (2) of two (2), 1-12 inch and -18 inch pipes under this permit. 18-inch cast iron sewer bipe through the levee, 2.8 feet below the crown. Concrete brust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968)					
				DWR ID: DWR_MA000			
93 3.34 3.34 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:12853 En_EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration present at both sides of the levee to pre crossing. Marker on waterward side is damaged.5/7/2013 Contact City of Gric carsonite markers on LS to mark crossi FIELD_STRUCT_DESC: 18-inch cast in through the levee, 2.8 feet below the cru thrust block for cutoff walls on both sho breaker in concrete pipe riser on the wa Pipe crosses river and discharges into s left bank overflow area. (Permit No. 572 FS Date: 5/7/2013	went dama dley to inst ngs location on sewer own. Conc ulders. Sip terward sh sewer pond	age to all on. pipe rete hon noulder.	39.354549 ° -12' 39.354549 ° -12'			
				DWR ID: DWR_MA000	07_01_f _ 2013_99		
94 3.34 3.34 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:9338 En EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration present at both sides of the levee to pre crossing. Marker on waterward side is of FIELD_STRUCT_DESC: 18-inch cast in through the levee, 2.8 feet below the cre thrust block for cutoff walls on both sho breaker in concrete pipe riser on the wa Pipe crosses river and discharges into s left bank overflow area. (Permit No. 572 FS Date: 10/31/2012	event dama amaged. on sewer pown. Conculders. Sip terward shapes	age to pipe rete hon noulder.	39.354549 ° -12' 39.354549 ° -12'	1.635326°		
				PANK ID. DANK WHOO	77_01_1 _ 2013_100		

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway Bank Unit Miles										Inspection Inspector Start/End			
				Unit No. 01	Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm		
LMR No.	Levee	Mile	Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo	
95	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13151 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration-r present at both sides of the levee to pre crossing. Marker on waterward side is damaged.5/7/2013 Contact City of Grid carsonite markers on LS to mark crossi location.5/13/2013 SBFCA project reco relacing in accordance with title 23. FIELD_STRUCT_DESC: 18-inch cast ir through the levee, 2.8 feet below the cro thrust block for cutoff walls on both shot breaker in concrete pipe riser on the wa Pipe crosses river and discharges into s left bank overflow area. (Permit No. 572 FS Date: 5/13/2013 8:53:24 AM	vent dam lley to ins ngs mmends on sewer own. Cono ulders. Sip terward si ewer pon	age to tall pipe crete bhon houlder.	39.354549 ° -12' 39.354549 ° -12'		101	
96	3.34	3.34	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7316 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Two (2) of two 1-18 inch pipes under this permit. 18-inc pipe through the levee, 2.8 feet below th thrust block for cutoff walls on both shou breaker in concrete pipe riser on the wa Pipe crosses river and discharges into s left bank overflow area. (Permit No. 572 FS Date: 10/31/2012	ch cast irone crown. Julders. Sipterward sipterward so	on sewer Concrete ohon houlder.	39.354549 ° -12' 39.354549 ° -12'	1.635326 ° 1.635326 °	102	
97	3.72	3.72	Earthen Levee	Encroachments	LS		DE : Debris Inspector Comments: Walnut trees push landward slope of the levee.	ned again	st the		9.358602 ° 1.639670 °	221 Y	
98	3.85	5.37	Earthen Levee	Encroachments	LS	M En	DT : Ditch		-	39.359942 ° 39.359940 ° 39.359		Υ	

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		Unit Miles	Inspection Start/End	Inspec	tor				
		Unit No. 01	Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffma	
Levee No. Start	Mile Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/I	Longitude End	Issue No. Photo
99 4.08	4.08 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:12854 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers need to be re should also be present on landward side Same as last inspection. FIELD_STRUCT_DESC: 8 inch steel se feet below crown. Air relief valve (12 incl located on landward shoulder. From wat sewer line runs parallel along levee for a 3,952 feet downstream and ties into exis pipeline located at LM 3.341. FS Date: 5/7/2013	.5/7/2013 wer line and by 24 interward single	about 2.5 ach) box de, ately	39.362706 ° -12	1.643678°	
100 4.08	4.08 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:9265 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers need to be re FIELD_STRUCT_DESC: 8 inch steel se feet below crown. Air relief valve (12 incl located on landward shoulder. From wat sewer line runs parallel along levee for a 3,952 feet downstream and ties into exis pipeline located at LM 3.341. FS Date: 10/30/2012	wer line a h by 24 ir erward si approxima	nch) box de, ately	39.362706 ° -12 39.362706 ° -12	1.643678 ° 1.643678 °	104 Y
101 4.08	4.08 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:9350 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers need to be re should also be present on landward side FIELD_STRUCT_DESC: 8 inch steel se feet below crown. Air relief valve (12 incl located on landward shoulder. From wat sewer line runs parallel along levee for a 3,952 feet downstream and ties into exis pipeline located at LM 3.341. FS Date: 10/30/2012	e. wer line a h by 24 ir erward si pproxima	about 2.5 ach) box de, ately	39.362706 ° -12 39.362706 ° -12	1.643678 ° 1.643678 °	105
102 4.29	4.29 Earthen Levee	Encroachments	LS M En	CR : Crops		-		9.364815 ° 1.646005 °	389
103 4.37	4.37 Supplemental	USACE Erosion Survey	WS M	Inspector Comments: 2012: Oversteepe failing rock (from repair completed in 199 stability issues. [2012 Site ID: FHR_50-6	54). Like		39.367612 ° 3 121.647866 ° -12	9.366736 ° 1.647217 °	

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID:

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway Bank Unit M								Unit Miles	Inspection Start/End Inspector			
				Unit No.	01 Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman	
Levee Mile Start End Category Item					Locat	Rating	Action/Comment			GPS Latitude/Longitude Issue No.		
No.	Start	End				'				Start	End Photo	
104	4.98	4.98	Supplement	al DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7373 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 42-inch pipe through I going through WS berm. FIELD_STRUCT_DESC: 36-inch CM pip levee 13.6 feet below the crown. Slide gi box at the waterward toe. FS Date: 11/5/2012	e throug	h the	39.373878 ° -12 39.373878 ° -12	1.650292 °	
105	4.98	4.98	Supplement	al DWR UCIP Field Study	ws	M En	Inspector Comments: FS_ID:13153 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on wat crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_01 reported.5/10/2013 Barrel down inside s gate difficult to operate.5/13/2013 SBFC recommends relacing in accordance witl FIELD_STRUCT_DESC: 42-inch CM pip levee 13.6 feet below the crown. Concre with slide gate inside located on waterwa pipe goes through the waterward side be FS Date: 5/13/2013 8:57:02 AM	dic Inspection of the Inspecti	ction as sues e. Slide t t h the ution box	39.373851 ° -12 39.373851 ° -12	1.650322° Y	
106	4.98	4.98	Supplement	al DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:12984 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on wat crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_01 reported.5/10/2013 Barrel down inside s gate difficult to operate. FIELD_STRUCT_DESC: 42-inch CM pip levee 13.6 feet below the crown. Concre with slide gate inside located on waterwa pipe goes through the waterward side be FS Date: 5/10/2013 7:48:43 AM	dic Inspection 60 no issett and pipe throughte distributed and side.	etion as sues e. Slide h the ution box	39.373851 ° -12 39.373851 ° -12	1.650322 ° 108 1.650322 °	
107	4.98	4.98	Supplement	al DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7414 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 42-inch pipe through I going through WS berm. FIELD_STRUCT_DESC: 36-inch CM pip levee 13.6 feet below the crown. Slide go box at the waterward toe. FS Date: 11/5/2012	e throug	h the	39.373851 ° -12 39.373851 ° -12		
										DWR ID: DWR_MA00	07_01_f _ 2013_109	
	cation	Sido	**	Rating		NI · N	+ Issue Type	o Deficiano	,			

LS : Land Side WS : Water Side CR : Crown A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

					Waterwa		Bank	Unit Miles	Inspection Start/End	Inspector	
				Unit No.	01 Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
108	4.98	4.98	Supplementa	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7375 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 42-inch pipe through I going through WS berm. FIELD_STRUCT_DESC: 36-inch CM pip levee 13.6 feet below the crown. Slide g box at the waterward toe. FS Date: 11/5/2012	oe throug	h the	39.373851 ° -121 39.373851 ° -121	.650322 °
109	4.98	4.98	Supplementa	DWR UCIP Field Study	WS		Inspector Comments: FS_ID:7520 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on wat FIELD_STRUCT_DESC: 42-inch CM pip levee 13.6 feet below the crown. Concre with slide gate inside located on waterwa pipe goes through the waterward side be FS Date: 11/5/2012	oe throug te distribi ard side.	h the ution box	39.373851 ° -12′ 39.373851 ° -12′	.650322 ° 111 .650322 °
110	4.98	4.98	Supplementa	I DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:8349 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on wat crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_0^c reported. FIELD_STRUCT_DESC: 42-inch CM pit levee 13.6 feet below the crown. Concre with slide gate inside located on waterwa pipe goes through the waterward side be FS Date: 11/5/2012	dic Inspect 160 no iss oe throug te distribut ard side.	etion as sues h the ution box	DWR ID: DWR_MA000 39.373851 ° -121 39.373851 ° -121	.650322 ° 112 .650322 °
111	5.22	5.22	Supplementa	DWR UCIP Field Study	WS		Inspector Comments: FS_ID:15903 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/9/2013 Appeared to where it exits the WS slope, minor settlin unable to obtain permit. SBFCA project replacing in accordance with title 23. FIELD_STRUCT_DESC: FS Date: 7/17/2013	ng on LS	toe,	39.377343 ° -121 39.377343 ° -121	.650450° Y

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0007_01_f _ 2013_113

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Wa	terwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 01	Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	
LMR No.	Levee Start	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
112	5.22	5.22	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15904 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/9/2013 Appeared to where it exits the WS slope, minor settlin unable to obtain permit. SBFCA project replacing in accordance with title 23. FIELD_STRUCT_DESC: FS Date: 7/17/2013	ng on LS	toe,	39.377343 ° -12 39.377343 ° -12	21.650450°	
113	5.37	5.37	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping		-	39.379487 ° 3.121.650604 ° -12	39.379487 ° 21.650604 °	10 Y
114	5.38	5.98	Earthen Levee	Encroachments	WS	M En	AT : Agricultural tilling Inspector Comments: This site is proper Revocable Trust, it has an encroachmer dated 7-23-2012, enforcement action : 2 stockpile has been removed, excavation is still present.	nt violatio :011-321.	n notice The	39.380272 ° (121.649622 ° -12	39.380527 ° 21.638423 °	
							p. 5550			DWR ID: DWR_MA00	007_01_f _ 2012_	_5
115	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M	Inspector Comments: FS_ID:13154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landwar property; unable to determine the type o this crossing; need to determine if there closure device on waterward side. This o listed in the USACE Periodic Inspection USACE_CESPK_MA07_2010_a_0173 unknown.5/10/2013 Same as last inspection.5/13/2013 SBFCA project re- relacing in accordance with title 23. FIELD_STRUCT_DESC: Abandoned 24 pipe through the levee, 14.0 feet below to gate on the landward side. Slide gate in riser on the waterward berm. This entry Drainage or Irrigation Structure reference manual (Historic Station 191+13). (USA) 1957) FS Date: 5/13/2013 8:58:17 AM	f abando is a positicossing vas ID# commence -inch CM the crown concrete matches ed in O&I	nment for tive was ds I irrigation I. Slide pipe the M	39.379838 ° -12 39.379838 ° -12	21.650611°	Y

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Wa	Waterway Bank Unit Miles									
Unit No. 01	Feather River	Right 12.07 10/21/2013 Matthew Hoffman								
Levee Mile Start End Category Item	Contact of the state of the sta	ent GPS Latitude/Longitude Issue No. Start End Photo								
116 5.40 5.40 Supplemental DWR UCIP Field Study	WS M Inspector Comments: FS_ID:7374 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Abandone pipe through the levee, 14.0 feet be gate on the landward side. Slide gar riser on the waterward berm. This e Drainage or Irrigation Structure refe manual (Historic Station 191+13). (I 1957) FS Date: 11/5/2012	low the crown. Slide te in concrete pipe ntry matches the renced in O&M USACE O&M Manual,								
117 5.40 5.40 Supplemental DWR UCIP	WS M Inspector Comments: FS ID:8350	DWR ID: DWR_MA0007_01_f_2013_116 39.379838 ° -121.650611 ° 117								
Field Study	WS M Inspector Comments: FS_ID:8350 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to land property; unable to determine the ty this crossing; need to determine if the closure device on waterward side. In listed in the USACE Periodic Inspect USACE_CESPK_MA07_2010_a_0 FIELD_STRUCT_DESC: Abandone pipe through the levee, 14.0 feet be gate on the landward side. Slide gar riser on the waterward berm. This e Drainage or Irrigation Structure refer manual (Historic Station 191+13). (1957) FS Date: 11/5/2012	dward sideresidential upe of abandonment for here is a positive This crossing was ection as ID# 173 unknown. Bed 24-inch CM irrigation sollow the crown. Slide te in concrete pipe untry matches the renced in O&M USACE O&M Manual,								
		DWR ID: DWR_MA0007_01_f _ 2013_117								
118 5.40 5.40 Supplemental DWR UCIP Field Study	WS M Inspector Comments: FS_ID:7415 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Abandone pipe through the levee, 14.0 feet be gate on the landward side. Slide gar riser on the waterward berm. This e Drainage or Irrigation Structure refe manual (Historic Station 191+13). (I 1957) FS Date: 11/5/2012	low the crown. Slide te in concrete pipe ntry matches the renced in O&M								

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				W	aterwa		Bank	Unit Miles	Inspection Start/End	Inspector	
				Unit No. 0	l Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
119	5.40	5.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12986 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landwar property; unable to determine the type of this crossing; need to determine if there closure device on waterward side. This disted in the USACE Periodic Inspection USACE_CESPK_MA07_2010_a_0173 unknown.5/10/2013 Same as last inspection for the USACE periodic Inspection USACE_CESPK_MA07_2010_a_0173 unknown.5/10/2013 Same as last inspection for the landward side. Slide gate in riser on the waterward berm. This entry Drainage or Irrigation Structure reference manual (Historic Station 191+13). (USA: 1957) FS Date: 5/10/2013 7:51:01 AM	f abando is a posit crossing v as ID# ection. I-inch CM the crown concrete matches ed in O&I	nment for tive was	39.379838 ° -12'	
120	5.40	5.40	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7910 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landwar property; unable to determine the type of this crossing; need to determine if there closure device on waterward side. FIELD_STRUCT_DESC: Abandoned 24 pipe through the levee, 14.0 feet below to gate on the landward side. Slide gate in riser on the waterward berm. This entry Drainage or Irrigation Structure reference manual (Historic Station 191+13). (USA: 1957) FS Date: 11/5/2012	f abando is a posit i-inch CM the crown concrete matches ed in O&I	nment for tive I irrigation Slide pipe the	DWR ID: DWR_MA000 39.379838 ° -12' 39.379838 ° -12'	1.650611 ° 120 1.650611 °
121	5.41	5.41	Earthen Levee	Encroachments	WS	M En	TA : Tank		-		9.380153 ° 9 1.650447 °
122	5.42	5.42	Earthen Levee	Encroachments	LS	U En	BU : Building		-	39.379947 ° 39 121.650525 ° -12 DWR ID: DWR_MA000	

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Feather River	River Right 12.07				
Levee Mile Start End Category Item Total Rate Rate	Action/Comment		GPS Latitude/L	ongitude Issue No. End Photo	
two (2) 60 inch pipes, the crown. Flap gates headwalls on both en entry matches the Dr	ent id SC: 60-inch CM drain pipe, through the levee, 23.4 fee on the waterward end. Cor is. Ditch at waterward outle inage or Irrigation Structure anual (Historic Station 1954	t below crete t. This	N		
Field Study En EP_NO: N/A Repair Type: Non-Urg Crossing Status: Fou UCIP Comments: Se waterward sideneed was listed in the USA USACE_CESPK_MA FIELD_STRUCT_DE pipe), through the lev gate on the waterwar ends. Ditch at waterw Drainage or Irrigation	Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gates on waterward sideneed to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957)				
two (2) 60 inch pipes, the crown. Flap gates headwalls on both en entry matches the Dr	ent id 6C: 60-inch CM drain pipe, through the levee, 23.4 fee on the waterward end. Corl is. Ditch at waterward outle inage or Irrigation Structure anual (Historic Station 1954	t below crete t. This	39.380377 ° -12' 39.380377 ° -12'	1.649344 ° 123 1.649344 °	

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Waterw	ay		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No.	01 Fe	athe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Le Sta	evee Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
126 5.	.49 5.4	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:12987 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking fla waterward sideneed to clear sediment. was listed in the USACE Periodic Inspect USACE_CESPK_MA07_2010_a_0180 r reported.5/10/2013 Same as last inspect FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe), through the levee, 23.4 feet below gate on the waterward end. Concrete he ends. Ditch at waterward outlet. This end Drainage or Irrigation Structure reference manual (Historic Station 195+80). (USAM 1957) FS Date: 5/10/2013 7:52:34 AM	This croation as III no issues etion. pipe (down the crow adwalls of try matched in O&I	ssing O# wnstream rn. Flap on both es the M	39.380377 ° -12′ 39.380377 ° -12′	.649344°
127 5.	.49 5.4	9 Supplementa	Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:13155 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gates on waterward sideneed to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957)				ssing D# ds wnstream vn. Flap on both es the M	39.380377 ° -12 ⁻¹ 39.380377 ° -12 ⁻¹	.649344 ° 125 .649344 °	
128 5.	.49 5.4	3 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking fla waterward sideneed to clear sediment. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe), through the levee, 23.4 feet below gate on the waterward end. Concrete he ends. Ditch at waterward outlet. This end Drainage or Irrigation Structure referenc manual (Historic Station 195+80). (USAI 1957) FS Date: 11/5/2012	pipe (down the crown adwalls of try match ed in O&I	wnstream vn. Flap on both es the Vl	DWR ID: DWR_MA000 39.380377 ° -12' 39.380377 ° -12'	.649344 ° 126 .649344 °

* Location LS: Land Side WS: Water Side CR: Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Unit Miles	Inspection Start/End	Inspec	ctor		
Unit No. 01 Feather F	River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
129 5.49 5.49 Supplemental DWR UCIP LS M In Field Study En E R CU W F P P P P P P P P P P P P P P P P P P	nspector Comments: FS_ID:7911 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: Sediment blocking flat waterward sideneed to clear sediment. FIELD_STRUCT_DESC: 1 of 2: 60 inch bipe), through the levee, 23.4 feet below gates on the waterward end. Concrete h ends. Ditch at waterward outlet. This end Drainage or Irrigation Structure reference manual (Historic Station 195+80). (USAG	pipe (dovo the crown eadwalls try matched ed in O&I	vnstream n. Flap on both es the M	39.380377 ° -12′ 39.380377 ° -12′		127
Field Study En E R C U re F P 9 9 e m C	nspector Comments: FS_ID:7914 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: Sediment blocking flatemove sediment to make flap gates opered by the sediment blocking flatemove sediment to make flap gates opered by the sediment to make flap gates opered by the sediment to make flap gates opered by the sediment of the sedimen	erational. pipe (ups the crow adwalls c This entr	stream n. Flap n both y enced in	DWR ID: DWR_MA000 39.380377 ° -12 39.380377 ° -12	1.649319 ° 1.649319 °	128
Field Study En E R C U F tv tf h T	nspector Comments: FS_ID:7417 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: FIELD_STRUCT_DESC: 60-inch CM drawo (2) 60 inch pipes, through the levee, the crown. Flap gates on the waterward neadwalls on both ends. Ditch located at this entry matches the Drainage or Irrigue ferenced in O&M manual (Historic Status USACE O&M Manual, 1957) ES Date: 11/5/2012	23.4 feet end. Con t waterwa ation Stru	below crete rd outlet. cture	39.380377 ° -12'	1.649319 ° 1.649319 °	

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_129

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

					Waterwa	ay	Bank Unit Miles			Inspection Start/End	Inspector	
				Unit No.	01 Fea	athe	r River Right 12.07			10/21/2013 10/21/2013	Matthew Hoffman	
ᄁᆫ	Levee	Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/Longitude Issue No.		
No.	Start	End	Category	item	ion	ng +	/ tottorii Gomment			Start	End Photo	
132	5.49	5.49	Supplemental	DWR UCIP Field Study	DWR UCIP LS M Inspector Comments: FS_ID:12988					39.380377 ° -12′ 39.380377 ° -12′	I.649319°	
										DWR ID: DWR_MA000	7_01_f _ 2013_130	
133	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13157 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking fla remove sediment to make flap gates operational.5/10/2013 Same as last inspection.5/13/2013 SBFCA project re- relacing in accordance with title 23. FIELD_STRUCT_DESC: 2 of 2: 60 inch pipe), through the levee, 23.4 feet below gate on the waterward end. Concrete he ends. Ditch located at waterward outlet. matches the Drainage or Irrigation Struct O&M manual (Historic Station 195+80). Manual, 1957) FS Date: 5/13/2013 9:00:39 AM	pipe (ups the crow adwalls of This entre	ds stream rn. Flap on both y enced in	39.380377 ° -12′ 39.380377 ° -12′	I.649319°	
134	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13156 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking fla remove sediment to make flap gates operational.5/10/2013 Same as last inspection.5/13/2013 SBFCA project re- relacing in accordance with title 23. FIELD_STRUCT_DESC: 2 of 2: 60 inch pipe), through the levee, 23.4 feet below gate on the waterward end. Concrete he ends. Ditch located at waterward outlet. matches the Drainage or Irrigation Struct O&M manual (Historic Station 195+80). Manual, 1957) FS Date: 5/10/2013 7:53:00 AM	pipe (ups the crow adwalls of This entre	ds stream rn. Flap on both y enced in	39.380377 ° -12′ 39.380377 ° -12′	I.649319°	
										שעא וט: DWK_MA000	/_U1_T _ 2013_132	

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

										10/21/2013	Homman
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
135	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7378 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 60-inch CM dra two (2) 60 inch pipes, through the levee, the crown. Flap gates on the waterward headwalls on both ends. Ditch located at This entry matches the Drainage or Irriga referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 11/5/2012	23.4 feet end. Con t waterwa ation Stru	t below crete and outlet. acture	39.380377 ° -12 39.380377 ° -12	1.649319°
136	5.50	5.50	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7376 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 60-inch CM dra two (2) 60 inch pipes, through the levee, the crown. Flap gates on the waterward headwalls on both ends. Ditch at waterw entry matches the Drainage or Irrigation referenced in O&M manual (Historic Stat (USACE O&M Manual, 1957) FS Date: 11/5/2012	23.4 feet end. Con ard outle Structure	t below crete t. This	39.380353 ° -12 39.380353 ° -12	1.649067 ° 134 1.649067 °
137	6.54	6.54	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burror backfill and compact or grout burrows.	ws visible		39.385806 ° 39.121.633668 ° -12	
138	6.58	6.58	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7916 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 22-inch reinforencased steel irrigation pipe through the below the crown. Slide gate in 36-inch coat the waterward toe. This entry matches Irrigation Structure referenced in O&M m Station 252+10). (USACE O&M Manual, FS Date: 11/5/2012	levee, 13 oncrete s s the Drai nanual (H	3.5 feet tandpipe nage or	39.386167 ° -12 39.386167 ° -12	1.633122°

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma: Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit I	lo. 01 Feathe	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Itel	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
139 6.58 6.58 Supplemental DWR UC Field Stu	P LS M	Inspector Comments: FS_ID:7917 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine is slide gate inside concrete standpipe. FIELD_STRUCT_DESC: 22-inch reinforcencased steel irrigation pipe through the below the crown. Slide gate in 36-inch cat the waterward toe. This entry matche Irrigation Structure referenced in O&M r Station 252+10). (USACE O&M Manual FS Date: 11/5/2012	rced conce le levee, 1 concrete s s the Dra nanual (H	rete 3.5 feet tandpipe inage or	39.386167 ° -12′ 39.386167 ° -12′	I.633122° Y
140 6.58 6.58 Supplemental DWR UC Field Stu	Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 22-inch reinforced concrete encased steel irrigation pipe through the levee, 13.5 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 252+10). (USACE O&M Manual, 1957)					1.633122 ° 137 1.633122 °
		FS Date: 11/5/2012			DWR ID: DWR_MA000	7_01_f _ 2013_137
141 6.58 6.58 Supplemental DWR UC Field Stu		Inspector Comments: FS_ID:7380 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 22-inch reinforencased steel irrigation pipe through the below the crown. Slide gate in 36-inch cat the waterward toe. This entry matche Irrigation Structure referenced in O&M r Station 252+10). (USACE O&M Manual FS Date: 11/5/2012	e levee, 1 concrete s s the Dra nanual (H	3.5 feet tandpipe inage or	39.386167 ° -12′ 39.386167 ° -12′	1.633122°
142 7.80 7.80 Supplemental DWR UC Field Stu		Inspector Comments: FS_ID:7382 EP_NO: 17895 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: localized erosion at a waterward shoulder; need for marker. FIELD_STRUCT_DESC: 5-inch diametr pipe through the right (west) bank levee existing pipe within the overflow area of (Permit No. 17895-2005) FS Date: 11/5/2012	er steel in and conr	rigation nect to	39.398336 ° -12' 39.398336 ° -12'	1.630529°

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		W	/aterway		Bank	Unit Miles	Inspection Start/End	Inspector				
		Unit No. 0	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman						
Levee Mile	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/	Longitude Issue No. End Photo				
¹⁴³ 7.80 7.8	0 Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7918 EP_NO: 17895 Repair Type: Non-Urgent			39.398336 ° -12 39.398336 ° -12					

Crossing Status: Indicator Found

UCIP Comments: localized erosion at air vent located on waterward shoulder; this crossing appears to have leaking at the air vent--will need to determine reason for erosion at air vent (vehicles going over vent?); also recommend installing utility marker. FIELD_STRUCT_DESC: 5-inch diameter steel irrigation pipe through the right (west) bank levee and connect to existing pipe within the overflow area of the Feather River. (Permit No. 17895-2005)

FS Date: 11/5/2012 DWR ID: DWR_MA0007_01_f _ 2013_140

144	7.80	7.80	Supplemental DWR UCIP
			Field Study

LS M Inspector Comments: FS_ID:7420 EP NO: 17895

Repair Type: Non-Urgent

Crossing Status: Indicator Found UCIP Comments: localized erosion at air vent located on

waterward shoulder; need for marker.

FIELD_STRUCT_DESC: 5-inch diameter steel irrigation pipe through the right (west) bank levee and connect to existing pipe within the overflow area of the Feather River. (Permit No. 17895-2005) FS Date: 11/5/2012

> DWR ID: DWR_MA0007_01_f _ 2013_141 39.404475 ° -121.636958 °

39.404475 ° -121.636958 °

39.398336 ° -121.630529 ° 39.398336 ° -121.630529 °

145 8.56 8.56 Supplemental DWR UCIP Field Study

LS U Fn

Inspector Comments: FS_ID:15906

EP NO: N/A

Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: 5/9/13 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find

out more info.

FIELD STRUCT DESC: FS Date: 7/17/2013 6:51:42 AM

DWR ID: DWR MA0007 01 f 2013 142 39.406614 ° -121.637384 ° 143

39.406614 ° -121.637384 °

8.72 8.72 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS_ID:15908

EP_NO: N/A Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: 5/9/13 Unkown permit coordinate with landowner to find out more information.

FIELD_STRUCT_DESC: FS Date: 7/17/2013

DWR ID: DWR MA0007 01 f 2013 143

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected Acceptable but Monitor & Maintain A/W

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway							Unit Miles	Inspection Start/End	Inspector
			Unit No. (01 Fea	the	r River	10/21/2013 10/21/2013	Matthew Hoffman		
Levee		Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Phot
147 8.72	8.72 S	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15907 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/9/13 Unkown permi landowner to find out more information. FIELD_STRUCT_DESC: FS Date: 7/17/2013	ate with	39.406614 ° -12' 39.406614 ° -12'	1.637384° Y	
148 8.76	8.76 S	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7383 EP_NO: 14200 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, s much moisture; rocks look wet last rain days ago. FIELD_STRUCT_DESC: 2-inch diamete line 2 feet below crown. (Permit No. 142 FS Date: 11/5/2012	event oce er galvani	cured 4 zed pipe	39.406752 ° -12 39.406752 ° -12	
									DWR ID: DWR_MA000	7_01_f _ 2013_145
149 8.76	8.76 S	Supplemental	DWR UCIP Field Study	LS		much moisture; rocks look wet last rain days ago.5/10/2013 Appears to just be and not a crossing. Will keep monitoring FIELD_STRUCT_DESC: 2-inch diameter	P_NO: 14200 epair Type: Non-Urgent rossing Status: Indicator Found CIP Comments: Landward shoulder, small hole with too uch moisture; rocks look wet last rain event occured 4 ays ago.5/10/2013 Appears to just be surface erosion nd not a crossing. Will keep monitoring until sure. ELD_STRUCT_DESC: 2-inch diameter galvanized pipe ae 2 feet below crown. (Permit No. 14200-1985)			
									DWR ID: DWR_MA000	7_01_f _ 2013_146
150 8.76	8.76 S	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:13162 EP_NO: 14200 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, s much moisture; rocks look wet last rain days ago.5/10/2013 Appears to just be and not a crossing. Will keep monitoring sure.5/13/2013 SBFCA project recomm accordance with title 23. FIELD_STRUCT_DESC: 2-inch diamete line 2 feet below crown. (Permit No. 142 FS Date: 5/13/2013 9:07:12 AM	event oce surface e g until ends rela er galvani:	cured 4 rosion cing in zed pipe	39.407159 ° -12 39.407159 ° -12	

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 5/13/2013 9:07:12 AM

DWR ID: DWR_MA0007_01_f _ 2013_147

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End Inspector			
				Unit No. 01	Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman		
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo		
151	8.76	8.76	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:7434 EP_NO: 14200 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, s much moisture; rocks look wet last rain days ago. FIELD_STRUCT_DESC: 2-inch diamete line 2 feet below crown. (Permit No. 142 FS Date: 11/5/2012	cured 4 zed pipe	39.407159 ° -12' 39.407159 ° -12'	.637409°			
152	9.05	9.41	Earthen Levee	Slope Stability	LS	A Ma	S1 : Repair slope instability. Inspector Comments: This appears to b levee.	e a cut in	to the	39.409424 ° 39.121.634671 ° -12			
153	9.67	9.67	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:13163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine ti slide gate inside waterward concrete sta shrubs overgrown against access latter; Same as last inspection. Cleared back is berries but live birds nest on ladder previnspecting inside of standpipe. Recomm black berries to clear path to ladder.5/13 project recommends relacing in accorda FIELD_STRUCT_DESC: 12-inch steel in through the levee, 14.0 feet below the concrete distribution box at the landwar FS Date: 5/13/2013 9:08:46 AM	ackberry 3 ne black from ying the BFCA title 23. bipe	39.416284 ° -12° 39.416284 ° -12°	.632224 °			
154	9.67	9.67	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7385 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch steel I through the levee, 14.0 feet below the ci 36-inch concrete standpipe at the water Concrete distribution box at the landwar FS Date: 11/5/2012	rown. Slid ward toe.		39.416284 ° -12° 39.416284 ° -12° DWR ID: DWR_MA000	.632224 °		

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Insped	ctor
				Unit No. 01	Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matth Hoffm	
LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude.	Issue No.
No.	Start	End	Calegory	item	tion	ing +	Action/Comment			Start	End	Photo
155	9.67	9.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7921 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the slide gate inside waterward concrete standrubs overgrown against access latter; FIELD_STRUCT_DESC: 12-inch steel inthrough the levee, 14.0 feet below the cross-inch concrete standpipe at the water Concrete distribution box at the landward FS Date: 11/5/2012	ndpipe birigation prown. Slic	ackberry	39.416284 ° -12' 39.416284 ° -12'	1.632224°	Y
156	9.67 Supplemental DWR UCIP Field Study By Supplemental DWR UCIP Field						39.416284 ° -12 39.416284 ° -12	1.632224°				
157	0.67	0.67	Cunniamental	DWB HCID	1.0	N 4	Inchestor Commenter ES ID:12002					
137	9.07	9.07	Supplemental	Field Study	LS		Inspector Comments: FS_ID:12992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the slide gate inside waterward concrete state shrubs overgrown against access latter; Same as last inspection. Cleared back is berries but live birds nest on ladder previnspecting inside of standpipe. Recomm black berries to clear path to ladder. FIELD_STRUCT_DESC: 12-inch steel in through the levee, 14.0 feet below the cross-inch concrete standpipe at the water. Concrete distribution box at the landward FS Date: 5/10/2013 8:01:07 AM	ndpipe b 5/10/201: come of the ented me end spra rigation prown. Slic ward toe.	lackberry 3 ne black e from ying the	39.416284 ° -12' 39.416284 ° -12'	1.632224°	
150	0.70	0.70	Corther-	Engage shows and			DIL . Dividio e			DWR ID: DWR_MA000		
158	9.79	9.79	Earthen Levee	Encroachments	LS	U En	BU : Building		-	39.416384 ° 39.41634503 ° -12.634503 ° -12.634503		Υ
159	9.84	9.84	Earthen Levee	Encroachments	LS	M En	EQ : Equipment		-	39.416921 ° 39.121.634802 ° -121.634802 ° -121.634802 ° -121.634802 ° -121.6348000		
160	9.84	9.84	Earthen Levee	Erosion / Bank Caving	LS	C Ma	E2 : Schedule repair of erosion site prior inspection.	to the ne		39.416958 ° 39.416958 ° -121.634818 ° -12		

Location	
LS : Land Side	
WS : Water Side	
CR : Crown	

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No.	01 Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. Photo
161 10.12 10.12 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:12994 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossing appears to be slide gate located inside concrete stand trash; no other features were visible during this crossing needs to be properly abandoned.5/10/2013 Same as last ins FIELD_STRUCT_DESC: Abandoned 10 concrete encased steel irrigation pipe th 14.5 feet below the crown. Slide gate in standpipe at the waterward toe. This ent Drainage or Irrigation 5tructure reference manual (Historic Station 437+30). (USA: 1957) FS Date: 5/10/2013 8:05:29 AM	pipe is buing inspection. pection. pection. rough the 24-inch c try match ed in O&I	ried with ction. Inforced elevee, concrete es the M	39.420736 ° -12 39.420736 ° -12	1.635321°
162 10.12 10.12 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:13164 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossing appears to be slide gate located inside concrete stand trash; no other features were visible during this crossing needs to be properly abandoned.5/10/2013 Same as last inspection.5/13/2013 SBFCA project referencyal. FIELD_STRUCT_DESC: Abandoned 10 concrete encased steel irrigation pipe the 14.5 feet below the crown. Slide gate in standpipe at the waterward toe. This ent Drainage or Irrigation Structure reference manual (Historic Station 437+30). (USA: 1957) FS Date: 5/13/2013 9:09:43 AM	pipe is buing inspectory menorable for the commend of the commend	ried with ction. ds aforced e levee, concrete es the M	39.420736 ° -12 39.420736 ° -12	1.635321°
163 10.12 10.12 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Abandoned 10 concrete encased steel irrigation pipe th 14.5 feet below the crown. Slide gate in standpipe at the waterward toe. This ent Drainage or Irrigation Structure referenc manual (Historic Station 437+30). (USA: 1957) FS Date: 11/5/2012	rough the 24-inch o try match ed in O&l	e levee, concrete es the M	39.420736 ° -12 39.420736 ° -12	1.635321°

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor	
Unit No. 01 Feather I	River	Right	12.07	10/21/2013 10/21/2013		Matthew Hoffman	
Levee Mile Start End Category Item Take Category Item Category Categor	Action/Comment			GPS Latitude	GPS Latitude/Longitude Issu No		
164 10.12 10.12 Supplemental DWR UCIP Field Study Field Study En E C L S tr T F C C 1 S C 1 T F C C 1 T T F C C T T T T T T T T T T T	Inspector Comments: FS_ID:7922 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found JCIP Comments: Crossing appears to be slide gate located inside concrete stands rash; no other features were visible duri This crossing needs to be properly aband FIELD_STRUCT_DESC: Abandoned 10 concrete encased steel irrigation pipe thi standpipe at the waterward toe. This ent Drainage or Irrigation Structure reference manual (Historic Station 437+30). (USAG	oipe is buing inspectioned. -inch reinch reinch chapted in O&I and in O&I	ried with ction. Inforced e levee, oncrete es the W	39.420736° -1	21.635321° 21.635321°	Y	
Field Study En E F C C C C C C C C C C C C C C C C C C	nspector Comments: FS_ID:7422 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found JCIP Comments: FIELD_STRUCT_DESC: Abandoned 10 concrete encased steel irrigation pipe the 14.5 feet below the crown. Slide gate in its standpipe at the waterward toe. This ent Drainage or Irrigation Structure reference manual (Historic Station 437+30). (USAC 1957) FS Date: 11/5/2012	rough the 24-inch c ry matche ed in O&I	e levee, concrete es the VI	DWR ID: DWR_MAG 39.420736 ° -1 39.420736 ° -1	21.635321 ° 21.635321 °	158	
Field Study En E F C U F c 1 s	nspector Comments: FS_ID:7386 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found JCIP Comments: FIELD_STRUCT_DESC: Abandoned 10 concrete encased steel irrigation pipe the 14.5 feet below the crown. Slide gate in 15 standpipe at the waterward toe. This ent Drainage or Irrigation Structure reference (10.572)	rough the 24-inch c ry matche ed in O&I	e levee, concrete es the VI	39.420736° -1			

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

1957)

FS Date: 11/5/2012

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_159

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		Bank	Unit Miles	Inspection Start/End	Inspector		
Unit N	o. 01 Fe	eathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item	* 5	Rating ** +	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
167 10.24 10.24 Supplemental DWR UCI Field Stud		S M En	Inspector Comments: FS_ID:7389 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if is in use, signs of depression on waterw pump located on LS (GW?) valve on wa FIELD_STRUCT_DESC: 10-inch steel ir through the levee, 14.5 feet below the cr concrete standpipe and pump on the lan FS Date: 11/5/2012	ard shoul terward to rigation p own. Slic	lder, oe. oipe le gate in	39.420905 ° -121 39.420905 ° -121	1.637707°
168 10.24 10.24 Supplemental DWR UCI Field Stuc		S M En	Inspector Comments: FS_ID:7387 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if is in use, signs of depression on waterw pump located on LS (GW?) valve on wa FIELD_STRUCT_DESC: 10-inch steel ir through the levee, 14.5 feet below the cr concrete standpipe and pump on the lan FS Date: 11/5/2012	ard shoul terward to rigation prown. Slic	der, oe. oipe le gate in	39.420864 ° -12′ 39.420864 ° -12′	1.637590°
169 10.25 10.25 Supplemental DWR UCI Field Stud		S M En	Inspector Comments: FS_ID:12995 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if is in use, signs of depression on waterw pump located on LS (GW?) valve on wa slide gate or concrete standpipe present appears to have been modifiedneed pe modifications.5/10/2013 Same as last in FIELD_STRUCT_DESC: 10-inch steel ir through the levee, 14.5 feet below the cr concrete standpipe and pump on the lant FS Date: 5/10/2013 8:07:17 AM	ard shoul terward to ; structur ermit issu hspection rigation p own. Slic	der, oe. No e ed for oipe le gate in	DWR ID: DWR_MA000 39.420905 ° -121 39.420905 ° -121	1.637707 ° 162 1.637707 °
170 10.25 10.25 Supplemental DWR UCI Field Stud		S M En	Inspector Comments: FS_ID:7423 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if is in use, signs of depression on waterw pump located on LS (GW?) valve on wa FIELD_STRUCT_DESC: 10-inch steel ir through the levee, 14.5 feet below the cr concrete standpipe and pump on the lan FS Date: 11/5/2012	ard shoul terward to rigation p own. Slic	lder, oe. oipe le gate in	39.420905 ° -121 39.420905 ° -121	1.637707 ° 163 1.637707 °

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item **Triple** **Triple** Action/Cor			GPS Latitude/L	ongitude Issue No.
Levee Mile Start End Category Item Start End Action/Cor	nment		Start	End Photo
171 10.25 10.25 Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study En	ermine if this cros waterward shou e on waterward t present; structur need permit issu as last oject recommend n steel irrigation p w the crown. Slice	der, oe. No e ed for ds bipe le gate in	39.420905 ° -12: 39.420905 ° -12:	1.637707° Y
172 10.25 10.25 Supplemental DWR UCIP Field Study By Supplemental DWR UCIP Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to dete is in use, signs of depression on pump located on LS (GW?) valv slide gate or concrete standpipe appears to have been modified- modifications. FIELD_STRUCT_DESC: 10-incl through the levee, 14.5 feet belo concrete standpipe and pump of FS Date: 11/5/2012	d ermine if this cros waterward shou e on waterward t present; structur need permit issu n steel irrigation p w the crown. Slic	der, oe. No e ed for oipe de gate in	39.420905 ° -12 39.420905 ° -12	1.637707°
			DWR ID: DWR_MA000	07_01_f _ 2013_165
173 10.83 10.83 Supplemental DWR UCIP Field Study Signature Field Study LS M Inspector Comments: FS_ID:83: EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: nothing found residential; no headwall found on been buried? Need to investigate crossing was listed in the USAC ID# USACE_CESPK_MA07_20 reported. FIELD_STRUCT_DESC: 24-incle the levee, 14.5 feet below the creat both toes. Flap gate in 36-incle the berm. This entry matches the Structure referenced in O&M material A71+26). (USACE_O&M Manual FS_Date: 11/5/2012)	on landward side- landward side e if crossing is he E Periodic Inspe- 10_a_0314 no iss n CM drainpipe the bown. Concrete he n concrete stand e Drainage or Irri anual (Historic Stand	has it ere. This ction as sues nrough eadwall pipe on gation	39.426781 ° -12	

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_166

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector	
U	Init No. 01	Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman	
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo	
174 10.83 10.83 Supplemental DWF Field	R UCIP d Study	LS M En	Inspector Comments: FS_ID:7391 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: nothing found on land: FIELD_STRUCT_DESC: 24-inch CM drathe levee, 14.5 feet below the crown. Co at both toes. Flap gate in 36-inch concret the berm. This entry matches the Draina Structure referenced in O&M manual (Hi 471+26). (USACE O&M Manual, 1957) FS Date: 11/5/2012	ainpipe the ncrete he te standp ge or Irri	irough eadwall pipe on gation	39.426781 ° -121.642078 ° 16 39.426781 ° -121.642078 °		
175 10.83 10.83 Supplemental DWF Field	R UCIP d Study	LS M En	Inspector Comments: FS_ID:12996 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: nothing found on landresidential; no headwall found on landwabeen buried? Need to investigate if crosscrossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported.5/10/2013 Same as last inspect FIELD_STRUCT_DESC: 24-inch CM drathe levee, 14.5 feet below the crown. Coat both toes. Flap gate in 36-inch concret the berm. This entry matches the Draina Structure referenced in O&M manual (Hi 471+26). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:08:11 AM	ard side sing is he dic Inspect 14 no issection. ainpipe the ncrete he te standp	has it are. This ction as sues arough eadwall pipe on gation	39.426781 ° -121.642078 ° 168 39.426781 ° -121.642078 °		
176 10.83 10.83 Supplemental DWF Field	R UCIP d Study	LS M En	been buried? Need to investigate if cross crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recremoval. FIELD_STRUCT_DESC: 24-inch CM drathe levee, 14.5 feet below the crown. Co at both toes. Flap gate in 36-inch concrethe berm. This entry matches the Draina	: Non-Urgent atus: Found nents: nothing found on landward sideno headwall found on landward sidehas it? Need to investigate if crossing is here. This is listed in the USACE Periodic Inspection as _CESPK_MA07_2010_a_0314 no issues 0/2013 Same as last /13/2013 SBFCA project recommends UCT_DESC: 24-inch CM drainpipe through 4.5 feet below the crown. Concrete headwall Flap gate in 36-inch concrete standpipe on his entry matches the Drainage or Irrigation ferenced in O&M manual (Historic Station ISACE O&M Manual, 1957)				

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		Wa		Bank	Unit Miles	Inspection Start/End	Inspector	
		Unit No. 01	Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
177 10.83 10.83	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7424 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: nothing found on land FIELD_STRUCT_DESC: 24-inch CM dr the levee, 14.5 feet below the crown. Cc at both toes. Flap gate in 36-inch concre the berm. This entry matches the Draina Structure referenced in O&M manual (H 471+26). (USACE O&M Manual, 1957) FS Date: 11/5/2012	ainpipe the oncrete he ete standp age or Irrigistoric Sta	rough eadwall pipe on gation	39.426781 ° -12 39.426781 ° -12	
178 10.83 10.83	Supplementa	DWR UCIP Field Study	UCIP LS M Inspector Comments: FS_ID:7925					07_01_f_2013_170 1.642078 ° 171 1.642078 °
¹⁷⁹ 10.95 10.95	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7392 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: headwall covered; pal and sheds FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee, 17.5 feet be Concrete headwall at landward toe. Flap waterward end covered with dirt. This er Drainage or Irrigation Structure reference manual (Historic Station 476+60). (USA 1957) FS Date: 11/5/2012	I-inch CM elow the co gate on htry match ed in O&I	erown. nes the	39.428380 ° -12 39.428380 ° -12	1.642228 ° 172

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_172

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Category Item Category Action/Comment Action/Comment			GPS Latitude/L	ongitude Issue No. Photo
180 10.95 10.95 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: crossing appears to be unknown method of abandonment; head small section of headwall exposed.5/10/. last inspection. FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee, 17.5 feet be Concrete headwall at landward toe. Flap waterward end covered with dirt. This en Drainage or Irrigation Structure reference manual (Historic Station 476+60). (USA 1957) FS Date: 5/10/2013 8:09:30 AM	Iwall burication of the control of t	ed with a me as crown. nes the	39.428380 ° -12 39.428380 ° -12	1.642228°
181 10.95 10.95 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:7928 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: crossing appears to be unknown method of abandonment; head small section of headwall exposed. FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee, 17.5 feet be Concrete headwall at landward toe. Flap waterward end covered with dirt. This en Drainage or Irrigation Structure reference manual (Historic Station 476+60). (USA 1957) FS Date: 11/5/2012	-inch CM elow the co gate on otry match ed in O&l	ed with a crown. nes the	39.428380 ° -12 39.428380 ° -12	1.642228 ° 174 1.642228 °
182 10.95 10.95 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:13167 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: crossing appears to be unknown method of abandonment; head small section of headwall exposed.5/10// last inspection.5/13/2013 SBFCA project removal. FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee, 17.5 feet be Concrete headwall at landward toe. Flap waterward end covered with dirt. This en Drainage or Irrigation Structure reference manual (Historic Station 476+60). (USA 1957) FS Date: 5/13/2013 9:12:21 AM	Iwall burion 2013 Sanct recommended commended	ed with a me as nends crown.	39.428380 ° -12 39.428380 ° -12	

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_175

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Feather River	Right	12.07	10/21/2013 Matthew 10/21/2013 Hoffman		
Levee Mile Category Item Start End Category Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo	
and sheds FIELD_STRUCT_DESC: Abandoned 24 drainpipe through the levee, 17.5 feet be Concrete headwall at landward toe. Flap waterward end covered with dirt. This en Drainage or Irrigation Structure reference	NO: N/A pair Type: Non-Urgent passing Status: Indicator Found IP Comments: headwall covered; palm tree nearby RV I sheds LD_STRUCT_DESC: Abandoned 24-inch CM impipe through the levee, 17.5 feet below the crown. Increte headwall at landward toe. Flap gate on erward end covered with dirt. This entry matches the image or Irrigation Structure referenced in O&M mual (Historic Station 476+60). (USACE O&M Manual, 157)				
184 11.05 11.05 Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:7394 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: missing cover FIELD_STRUCT_DESC: 24-inch CM irri through the levee, 17.5 feet below the cr 36-inch CM pipe riser on the waterward in 48-inch reinforced concrete standpipe This entry matches the Drainage or Irrigate referenced in O&M manual (Historic State (USACE O&M Manual, 1957) FS Date: 11/5/2012	own. Slid slope. Sli at landw ation Stru	le gate in de gate ard toe. icture	39.429314 ° -12′ 39.429314 ° -12′	1.643747°	
185 11.05 11.05 Supplemental DWR UCIP Field Study Ben Field Study En Field Study Ben Field Study En Field	e the con gation pip rown. Slid slope. Sli at landw ation Stru	dition of De Je gate in Je gate Je	39.429314 ° -12′ 39.429314 ° -12′		

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_178

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item Category Catego			GPS Latitude/L	Longitude Issue No. End Photo
186 11.05 11.05 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: missing cover FIELD_STRUCT_DESC: 24-inch CM in through the levee, 17.5 feet below the of 36-inch CM pipe riser on the waterward in 48-inch reinforced concrete standpip This entry matches the Drainage or Irrig referenced in O&M manual (Historic St. (USACE O&M Manual, 1957) FS Date: 11/5/2012	crown. Slic I slope. Sli e at landw gation Stru	de gate in ide gate vard toe. ucture	39.429314 ° -12 39.429314 ° -12	
			DWR ID: DWR_MA000	07_01_f _ 2013_179
187 11.17 Supplemental DWR UCIP Field Study By Inspector Comments: FS_ID:7427 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing not visible of cover debris in riser; wheel handle miss FIELD_STRUCT_DESC: 24-inch reinforce encased CM irrigation pipe through the below the crown. Slide gate in 36-inch of the waterward slope. This entry matchel Irrigation Structure referenced in O&M Station 490+50). (USACE O&M Manual FS Date: 11/5/2012	sing from sorced concorded levee, 21 CM pipe ries the Draimanual (H	slide gate. crete .0 feet ser on inage or	39.430540 ° -12 39.430540 ° -12	1.645118°
188 11.17 11.17 Supplemental DWR UCIP Field Study LS M EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-miss CMP riser; debris inside CMP riser; wh from slide gate. Unable to determine or gate face. landward side-crossing not v crossing was listed in the USACE Perio ID# USACE_CESPK_MA07_2010_a_0 reported.5/10/2013 Top cover has falle standpipe and may prevent gate from to operate gate still missing.5/13/2013 recommends removal. FIELD_STRUCT_DESC: 24-inch reinfo encased CM irrigation pipe through the below the crown. Slide gate in 36-inch of the waterward slope. This entry matche Irrigation Structure referenced in O&M Station 490+50). (USACE O&M Manua FS Date: 5/13/2013 9:14:04 AM	eel handle prodition of risible. This odic Inspension of the Inspe	e missing slide s ction as sues side g. Wheel roject crete .0 feet ser on inage or	39.430540 ° -12 39.430540 ° -12	1.645118 ° 181 1.645118 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		W	aterway	y		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 0	1 Feat	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthe Hoffm	
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
189 11.17 11.17	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7930 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-missin CMP riser; debris inside CMP riser; whe from slide gate. Unable to determine con gate face. landward side-crossing not vi FIELD_STRUCT_DESC: 24-inch reinfor encased CM irrigation pipe through the le below the crown. Slide gate in 36-inch Cot the waterward slope. This entry matches Irrigation Structure referenced in O&M in Station 490+50). (USACE O&M Manual FS Date: 11/5/2012	el handle ndition of sible. ced conc levee, 21. M pipe ris s the Drai nanual (H	missing slide rete 0 feet ser on nage or	39.430540 ° -12 39.430540 ° -12		
190 11.17 11.17	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:8353 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-missin CMP riser; debris inside CMP riser; whe from slide gate. Unable to determine con gate face. landward side-crossing not vi crossing was listed in the USACE Perion ID# USACE_CESPK_MA07_2010_a_03 reported. FIELD_STRUCT_DESC: 24-inch reinfor encased CM irrigation pipe through the libelow the crown. Slide gate in 36-inch Co the waterward slope. This entry matches Irrigation Structure referenced in O&M in Station 490+50). (USACE O&M Manual	rel handle ndition of sible. This dic Inspects 330 no issued conclevee, 21.0 M pipe rist the Drainanual (H	missing slide s ction as sues rete 0 feet ser on nage or	39.430540 ° -12 39.430540 ° -12	1.645118 °	183

FS Date: 11/5/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_183

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

		V	/aterway		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 0	1 Feathe	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment		GPS Latitude/L	ongitude Issue No. End Photo	
¹⁹¹ 11.17 11.17	Supplementa	DWR UCIP Field Study	LS M En	39.430540 ° -121.645118 ° 184 39.430540 ° -121.645118 °				
192 11.17 11.17	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7396 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing not visible or cover debris in riser; wheel handle miss FIELD_STRUCT_DESC: 24-inch reinfor encased CM irrigation pipe through the below the crown. Slide gate in 36-inch C the waterward slope. This entry matche Irrigation Structure referenced in O&M r Station 490+50). (USACE O&M Manual FS Date: 11/5/2012	ing from s rced conc levee, 21 CM pipe ri s the Drai nanual (H	slide gate. rete .0 feet ser on nage or	39.430540 ° -12 39.430540 ° -12	1.645118° 185 1.645118°
193 11.24 11.24	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7397 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing FIELD_STRUCT_DESC: 24-inch CM dr the levee. 18.9 feet below the crown. Flawaterward end. This entry matches the Irrigation Structure referenced in O&M r Station 494+50). (USACE O&M Manual FS Date: 11/5/2012	ainpipe thap gate of Drainage nanual (H	n the or	39.431546 ° -12 39.431546 ° -12	1.645474° 186 1.645474°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No	. 01 Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
194 11.24 11.24 Supplemental DWR UCIP Field Study		Inspector Comments: FS_ID:7931 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing FIELD_STRUCT_DESC: 24-inch CM dr the levee. 18.9 feet below the crown. Fla waterward end. This entry matches the Irrigation Structure referenced in O&M n Station 494+50). (USACE O&M Manual FS Date: 11/5/2012	rainpipe thap gate or Drainage nanual (H	n the or	39.431546 ° -12 39.431546 ° -12	
195 11.24 11.24 Supplemental DWR UCIP Field Study		Inspector Comments: FS_ID:13171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing crossing was listed in the USACE Perio ID# USACE_CESPK_MA07_2010_a_03 reported.5/10/2013 Same as last inspe with farmer he said the pipe may be get removed.5/13/2013 SBFCA project rec- relacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM dr the levee. 18.9 feet below the crown. Fla- waterward end. This entry matches the Irrigation Structure referenced in O&M m Station 494+50). (USACE O&M Manual FS Date: 5/13/2013 9:15:56 AM	dic Inspection. Talling ommends rainpipe that pate on Drainage nanual (H	ction as sues lking s nrough n the or	DWR ID: DWR_MA000 39.431546 ° -12: 39.431546 ° -12:	1.645474° 188 1.645474°
196 11.24 11.24 Supplemental DWR UCIP Field Study		Inspector Comments: FS_ID:7428 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing FIELD_STRUCT_DESC: 24-inch CM dr the levee. 18.9 feet below the crown. Fla waterward end. This entry matches the Irrigation Structure referenced in O&M n	ainpipe thap gate of Drainage nanual (H	n the or	39.431546°-12°39.431546°-12°	1.645474° 189

FS Date: 11/5/2012

DWR ID: DWR_MA0007_01_f _ 2013_189

Station 494+50). (USACE O&M Manual, 1957)

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

								10/21/2013	Hoπma	an
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
197 11.24 11.24	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13000 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing of crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported.5/10/2013 Same as last insoed with farmer he said the pipe may be gett FIELD_STRUCT_DESC: 24-inch CM dratte levee. 18.9 feet below the crown. Flawaterward end. This entry matches the Irrigation Structure referenced in O&M m Station 494+50). (USACE O&M Manual, FS Date: 5/10/2013 8:15:27 AM	dic Inspection. Tall ing removaling removaling the pate or Drainage (hannal (Hi	tion as ues king ved. rough the or	39.431546 ° -12 39.431546 ° -12	1.645474 ° 1.645474 °	190
198 11.24 11.24	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8354 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing of crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported. FIELD_STRUCT_DESC: 24-inch CM drawaterward end. This entry matches the Intrigation Structure referenced in O&M m Station 494+50). (USACE O&M Manual, FS Date: 11/5/2012	dic Inspects 32 no iss ainpipe the pate or Orainage or Drainage or Drainage (Hi	tion as ues rough the or	39.431546 ° -12 39.431546 ° -12	1.645474 ° 1.645474 °	191
¹⁹⁹ 11.24 11.24	Earthen Levee	Encroachments	LS	M En	BU : Building Inspector Comments: Building appears a	abondone	d.	39.431591 ° 3 -121.645477 ° -12 DWR ID: DWR_MA000	1.645477°	Υ
200 11.28 11.28	Supplementa	I DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7429 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near he FIELD_STRUCT_DESC: 24-inch CM dra the levee, 15.8 feet below the crown. Co at both toes. Flap gate on the waterward matches the Drainage or Irrigation Struct O&M manual (Historic Station 496+20). Manual, 1957) FS Date: 11/5/2012	ainpipe th ncrete he I end. This ture refer	adwall s entry enced in	39.432143 ° -12 39.432143 ° -12	1.645516°	Y

* Location LS: Land Side WS: Water Side CR: Crown * Rating

A : Acceptable N
M : Minimally Acceptable C
U : Unacceptable A/W

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Category Item Start End Category Action	n/Comment		GPS Latitude/L	ongitude Issue No. End Photo
201 11.28 11.28 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_II EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow at landward side; scour near of apron; This crossing was lis Inspection as ID# USACE_ no issues reported. FIELD_STRUCT_DESC: 24 the levee, 15.8 feet below the at both toes. Flap gate on the matches the Drainage or Int O&M manual (Historic Statin Manual, 1957) FS Date: 11/5/2012	ctivity near headwall of concrete apron and be sted in the USACE Pe CESPK_MA07_2010 4-inch CM drainpipe the crown. Concrete he he waterward end. The	elow eriodic _a_0336 hrough eadwall is entry renced in	39.432143 ° -12 39.432143 ° -12	1.645516°
202 11.28 11.28 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_II EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow at landward side; scour near of apron; This crossing was list Inspection as ID# USACE_ no issues reported.5/10/20 FIELD_STRUCT_DESC: 24 the levee, 15.8 feet below the levee, 15.8 feet	ctivity near headwall of concrete apron and be sted in the USACE Porcessed in the USACE Porcessed in the USACE Porcessed in the USACE and the crown. Concrete he waterward end. The crigation Structure reference on 496+20). (USACE	elow eriodic _a_0336 ection. hrough eadwall is entry renced in	DWR ID: DWR_MA000 39.432143 ° -12 39.432143 ° -12	1.645516° 194 1.645516°
203 11.28 11.28 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow ar FIELD_STRUCT_DESC: 2e the levee, 15.8 feet below to at both toes. Flap gate on to matches the Drainage or Irr O&M manual (Historic Stati Manual, 1957) FS Date: 11/5/2012	ctivity near headwall. 4-inch CM drainpipe t he crown. Concrete h he waterward end. Th rigation Structure refe	eadwall is entry renced in	DWR ID: DWR_MA000 39.432143 ° -12: 39.432143 ° -12:	1.645516° 195 1.645516°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Category Item Category Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
204 11.28 Supplemental DWR UCIP Field Study LS M Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near he landward side; scour near concrete aproi apron; FIELD_STRUCT_DESC: 24-inch CM dra the levee, 15.8 feet below the crown. Coi at both toes. Flap gate on the waterward matches the Drainage or Irrigation Struct O&M manual (Historic Station 496+20). (Manual, 1957) FS Date: 11/5/2012	n and bel ainpipe th ncrete he end. Thi ture refer	ow rough adwall s entry enced in	39.432143 ° -12 39.432143 ° -12	1.645516°
205 11.28 11.28 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:13172 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near he landward side; scour near concrete apron apron; This crossing was listed in the US Inspection as ID# USACE_CESPK_MAO no issues reported.5/10/2013 Same as inspection.5/13/2013 SBFCA project rec relacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM dra the levee, 15.8 feet below the crown. Co at both toes. Flap gate on the waterward matches the Drainage or Irrigation Struct O&M manual (Historic Station 496+20). (Manual, 1957) FS Date: 5/10/2013 8:16:00 AM	n and bel SACE Pel I7_2010_ last commend ainpipe the ncrete he end. This ture refer	ow riodic a_0336 Is rough radwall s entry enced in	39.432143 ° -12' 39.432143 ° -12'	1.645516° 197 1.645516°
206 11.39 11.39 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need abandon structure; CMP riser cover miss pipe filled with concrete; LS crossing not visible.5/10/2013 Same as last inspectic SBFCA project recommends removal. FIELD_STRUCT_DESC: Abandoned 24- concrete encased CM irrigation pipe thro 19.5 feet below the crown. Concrete hea landward toe. Slide gate in 36-inch CM ri waterward slope. This entry matches the Irrigation Structure referenced in O&M m Station 502+20). (USACE O&M Manual, FS Date: 5/13/2013 9:17:44 AM	on.5/13/2 inch rein ough the I dwall at t iser on th Drainag anual (H	/S; WS 013 forced evee, he e	39.433674 ° -12: 39.433674 ° -12:	1.645591 ° 198 1.645591 °

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Unit No. 01 Feather River		Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
208 11.39 11.39 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:7933 59.433674 ° -121.645591 ° 199 89.433674	Unit No.	01 Feathe	r River	Right	12.07		
Field Study En EP, NO: IVA Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Stide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502-22.0), (USACE O&M Manual, 1957) En EP, NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: riser cover missing WS; WS pipe filled with concrete; LS crossing not visible. Needs to be properly abandoned. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Stide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502-20), (USACE O&M Manual, 1957) FS Date: 11/5/2012 200 11.39 11.39 Supplemental DWR UCIP Field Study En EP, NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Stide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502-20), (USACE O&M Manual, 1957) FS Date: 11/5/2012 200 11.39 11.39 Supplemental DWR UCIP Field Study En EP, NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible. 5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM Irrigation pipe through the levee, 19.5	Levee Mile Category Item	Rating ** + Location *	Action/Comment				No.
Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:7431 39.433674 ° -121.645591 ° 200 39.433674 ° -1			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need abandon structure; CMP riser cover mis pipe filled with concrete; LS crossing no FIELD_STRUCT_DESC: Abandoned 24 concrete encased CM irrigation pipe through the comment of the comment	sing on W t visible. I-inch reir ough the I adwall at t riser on the Drainag nanual (H	VŠ; WS Inforced levee, the lee	39.433674 ° -12	1.645591°
209 11.39 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502+20). (USACE O&M Manual, 1957)			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: riser cover missing W with concrete; LS crossing not visible. N properly abandoned. FIELD_STRUCT_DESC: Abandoned 24 concrete encased CM irrigation pipe thre 19.5 feet below the crown. Concrete hea landward toe. Slide gate in 36-inch CM i waterward slope. This entry matches the Irrigation Structure referenced in O&M in Station 502+20). (USACE O&M Manual	leeds to bushed to be lead to be	e Inforced levee, the lee e or	39.433674 ° -12 ⁻ 39.433674 ° -12 ⁻	1.645591 ° 200 1.645591 °
DWR ID: DWR MA0007_01_f _ 2013_201			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need abandon structure; CMP riser cover mis pipe filled with concrete; LS crossing no visible.5/10/2013 Same as last inspecti FIELD_STRUCT_DESC: Abandoned 24 concrete encased CM irrigation pipe through the community of the c	sing on W t on. I-inch reir ough the I adwall at t riser on the Drainag nanual (H	riforced levee, the lie e or	39.433674 ° -12 39.433674 ° -12	1.645591 ° 201 1.645591 ° Y

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Wat		Bank	Unit Miles	Inspection Start/End	Inspector		
	Unit No. 01	Feath	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman	
Levee Mile Start End Category	Item	Rating ** + Location **	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo	
210 11.39 11.39 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7400 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: riser cover missing W with concrete; LS crossing not visible. N properly abandoned. FIELD_STRUCT_DESC: Abandoned 2c concrete encased CM irrigation pipe thr 19.5 feet below the crown. Concrete he landward toe. Slide gate in 36-inch CM waterward slope. This entry matches th Irrigation Structure referenced in O&M r Station 502+20). (USACE O&M Manual FS Date: 11/5/2012	39.433681 ° -121.645580 ° 20 39.433681 ° -121.645580 °				
²¹¹ 11.52 11.52 Supplemental I	DWR UCIP Field Study	LS M En	the levee, 16.2 feet below the crown. Co at both toes. Flap gate on the waterwar matches the Drainage or Irrigation Struc	P_NO: N/A epair Type: Non-Urgent rossing Status: Found CIP Comments: ELD_STRUCT_DESC: 24-inch CM drainpipe through e levee, 16.2 feet below the crown. Concrete headwall both toes. Flap gate on the waterward end. This entry atches the Drainage or Irrigation Structure referenced in &M manual (Historic Station 508+40). (USACE O&M anual, 1957)				
212 11.52 11.52 Supplemental I	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:8356 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-fuctional crossin buried; waterward side-debris in CMP ri lid; This crossing was listed in the USAI Inspection as ID# USACE_CESPK_MA for pipes filled > 50 % with soil. FIELD_STRUCT_DESC: 24-inch CM di the levee, 16.2 feet below the crown. Co at both toes. Flap gate on the waterware matches the Drainage or Irrigation Struct O&M manual (Historic Station 508+40). Manual, 1957) FS Date: 11/5/2012	ser, riser of the control of the con	missing ic a_0344 rough eadwall s entry enced in	39.435497 ° -12: 39.435497 ° -12:	1.645712° 204 1.645712°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit N	o. 01 Feathe	er River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
213 11.52 11.52 Supplemental DWR UCI Field Stud		Inspector Comments: FS_ID:7934 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-fuctional crossing buried; waterward side-debris in CMP risilid FIELD_STRUCT_DESC: 24-inch CM dr the levee, 16.2 feet below the crown. Co at both toes. Flap gate on the waterward matches the Drainage or Irrigation Struct O&M manual (Historic Station 508+40). Manual, 1957) FS Date: 11/5/2012	ser, riser ainpipe the oncrete he d end. Thi cture refer	missing nrough eadwall is entry renced in	39.435497 ° -12: 39.435497 ° -12: DWR ID: DWR_MA000	1.645712° Y
214 11.52 11.52 Supplemental DWR UCI Field Stud	·				39.435497 ° -12'	1.645712°
²¹⁵ 11.52 11.52 Supplemental DWR UCI Field Stud		Inspector Comments: FS_ID:13003 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-fuctional crossing buried; waterward side-debris in CMP ri- lid; This crossing was listed in the USAC Inspection as ID# USACE_CESPK_MA for pipes filled > 50 % with soil.5/10/20 inspection. LS inlet excavated but more covered by soil. FIELD_STRUCT_DESC: 24-inch CM dr the levee, 16.2 feet below the crown. Cc at both toes. Flap gate on the waterware matches the Drainage or Irrigation Struc O&M manual (Historic Station 508+40)	ser, riser CE Period 07_2010_ 13 Same than 509 ainpipe the procrete he diend. This ture refer	missing lic a_0344 as last still arough eadwall as entry renced in	39.435497 ° -12' 39.435497 ° -12'	1.645712 ° 207

Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Manual, 1957)

O&M manual (Historic Station 508+40). (USACE O&M

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0007_01_f _ 2013_207

FS Date: 5/10/2013 8:19:22 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector	
		Unit No.	01 Fea	the	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
²¹⁶ 11.52 11.52	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7401 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM dr the levee, 16.2 feet below the crown. Co at both toes. Flap gate on the waterward matches the Drainage or Irrigation Struct O&M manual (Historic Station 508+40). Manual, 1957) FS Date: 11/5/2012	oncrete he d end. Thi cture refer	eadwall s entry enced in	39.435533 ° -12′ 39.435533 ° -12′	1.645693°
²¹⁷ 11.63 11.69	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping		-	39.437119 ° 39.121.645860 ° -12.00 DWR ID: DWR_MA000	9.437949 ° 43 1.646280 ° Y
218 11.68 11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine to slide gate inside riserneed to determine crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported. FIELD_STRUCT_DESC: 24-inch reinford encased CM irrigation pipe through the below the crown. Slide gate in 36-inch Cowaterward slope. This entry matches the Irrigation Structure referenced in O&M in Station 517+40). (USACE O&M Manual FS Date: 11/5/2012	e condition dic Inspecta 1855 no isserced conclevee, 18. CM riser of the Drainagnanual (H	n. This ction as sues rete 8 feet n the e or	39.437766 ° -12' 39.437766 ° -12'	
²¹⁹ 11.68 11.68	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7402 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch reinfor encased CM irrigation pipe through the I below the crown. Slide gate in 36-inch C waterward slope. This entry matches the Irrigation Structure referenced in O&M n Station 517+40). (USACE O&M Manual FS Date: 11/5/2012	evee, 18. M riser of Drainagnanual (H	8 feet n the e or	DWR ID: DWR_MA000 39.437766 ° -12 39.437766 ° -12	1.646196 ° 210 1.646196 °

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No.	01 Feathe	r River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
220 11.68 11.68 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7935 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the slide gate inside riser-need to determine the slide gate inside riser-need to determine FIELD_STRUCT_DESC: 24-inch reinformencased CM irrigation pipe through the lebelow the crown. Slide gate in 36-inch C waterward slope. This entry matches the Irrigation Structure referenced in O&M m Station 517+40). (USACE O&M Manual, FS Date: 11/5/2012	e condition ced conc evee, 18.5 M riser of Drainag manual (H	on. rete 8 feet n the e or	39.437766 ° -12 39.437766 ° -12	1.646196°
221 11.68 11.68 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7433 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch reinforencased CM irrigation pipe through the lebelow the crown. Slide gate in 36-inch C waterward slope. This entry matches the Irrigation Structure referenced in O&M m Station 517+40). (USACE O&M Manual, FS Date: 11/5/2012	evee, 18. M riser o Drainag nanual (H	8 feet n the e or	39.437766 ° -12 39.437766 ° -12	1.646196 ° 212 1.646196 °
222 11.68 11.68 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:13004 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the slide gate inside riserneed to determine crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported.5/10/2013 Same as last inspect activity above WS riser. FIELD_STRUCT_DESC: 24-inch reinformencased CM irrigation pipe through the libelow the crown. Slide gate in 36-inch C waterward slope. This entry matches the Irrigation Structure referenced in O&M m Station 517+40). (USACE O&M Manual, FS Date: 5/10/2013 8:22:10 AM	e condition conditions condition. But ced concevee, 18. M riser of conceventations of the conditions condition	on. This ction as sues rrow rete 8 feet or the eor	39.437766 ° -12 39.437766 ° -12	1.646196 ° 213
					DWR ID: DWR_MA000	07_01_f _ 2013_213

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway						Bank	Unit Miles	Inspection Start/End	Insped	ctor
Unit No. 01 Feather River						Right	12.07	10/21/2013 10/21/2013	Matth Hoffm	
Levee Mile No. Start End Category Item			Action/Comment			GPS Latitude/Longitude		Issue No.		
223 11.68 11.68 Supplemental DWR UCIP Field Study Fiel		Inspector Comments: FS_ID:13177 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the slide gate inside riser—need to determine crossing was listed in the USACE Period ID# USACE_CESPK_MA07_2010_a_03 reported.5/10/2013 Same as last insper activity above WS riser.5/13/2013 SBF0 recommends relacing in accordance with FIELD_STRUCT_DESC: 24-inch reinfor encased CM irrigation pipe through the I below the crown. Slide gate in 36-inch C waterward slope. This entry matches the Irrigation Structure referenced in O&M m Station 517+40). (USACE O&M Manual, FS Date: 5/13/2013 9:21:55 AM	e condition in condition in condition. But the CA project the concept of the condition in condit	on. This ction as sues rrow ct rete 8 feet n the e or	39.437766 ° -1 39.437766 ° -1	21.646196 ° 21.646196 °	•			
224 88.56 88.56 \$	• •	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15905 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/9/13 Perression all	ong WS s	clone that	39.404475 ° -1 39.404475 ° -1		

UCIP Comments: 5/9/13 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find out more info.

FIELD_STRUCT_DESC: FS Date: 7/17/2013

DWR ID: DWR_MA0007_01_f _ 2013_215

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	4				
Start Levee Mile	0.01				
End Levee Mile	1.73				
Location	Land Side				
Category	Earthen Levee				
Item	Encroachments				
AC ditch landside slone and toe					

AG ditch landside slope and toe.

mhoffman_f_20130917_026.jpg

Levee Mile Report Line	5
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

This photo was taken from the levee crown facing south looking down the landward slope at a tree growing near the toe. Fall 2013.

mhoffman_f_20131028_674.JPG

Levee Mile Report Line	6
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control

This photo was taken from the crown of the levee facing north looking down the slope at rodent holes. Fall 2013.

mhoffman_f_20131028_675.JPG







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
vw : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	6	
Start Levee Mile	0.46	
End Levee Mile	0.46	
Location	Water Side	
Category	Earthen Levee	
Item	Animal Control	
Up close photo of said rodent holes. Fall 2013.		

mhoffman_f_20131028_676.JPG

Levee Mile Report Line	7
Start Levee Mile	0.51
End Levee Mile	0.51
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

This photo was taken from the levee crown facing north looking down the landward levee slope at stability issues. Fall 2013.

mhoffman_f_20131028_677.JPG

Levee Mile Report Line	7	
Start Levee Mile	0.51	
End Levee Mile	0.51	
Location	Land Side	
Category	Earthen Levee	
Item	Slope Stability	
Close up of said slope stability issue. Fall 2013.		

mhoffman_f_20131028_678.JPG







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	8	
Start Levee Mile	1.21	
End Levee Mile	1.21	
Location	Water Side	
Category	Earthen Levee	
Item	Encroachments	
Levee mile 1.21. This is a photo of the building on the waterside slope.		
mhoffman_f_20130917_023.jpg		

Levee Mile Report Line	11	
Start Levee Mile	1.54	
End Levee Mile	1.54	
Location	Water Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of levee crown looking downstream.		

UCIP	6870.jpg	

ССП _007 0.jpg		
Levee Mile Report Line	21	
Start Levee Mile	1.72	
End Levee Mile	1.72	
Location	Water Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Overview of levee crown looking upstream at crossing.		
UCIP_5651.jpg		







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	33		
Start Levee Mile	1.76		
End Levee Mile	1.76		
Location	Land Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
View of levee crown looking downstream.			
UCIP_6985.jpg			

Levee Mile Report Line	43
Start Levee Mile	1.94
End Levee Mile	1.94
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown looking upstream.

UCIP_5556.jpg

Levee Mile Report Line	46			
Start Levee Mile	2.10			
End Levee Mile	2.10			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
View of headwall and inlet from landward side.				

UCIP_3192.jpg







Location LS: Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	47
Start Levee Mile	2.18
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
MA 7 Typical layer year	otation

MA 7 - Typical levee vegetation.

mhoffman_f_20130917_013.JPG

Levee Mile Report Line	51
Start Levee Mile	2.25
End Levee Mile	2.25
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Concrete distribution box located approximately 400-500 feet from landward toe.

UCIP_6998.jpg

Levee Mile Report Line	58			
Start Levee Mile	2.37			
End Levee Mile	2.37			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
View of waterward side at crossing.				

9

UCIP_5640.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

otable C:

N : Not Inspected/Rated C : Corrected W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	64
Start Levee Mile	2.57
End Levee Mile	2.57
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
View of landward slope.	
UCIP_7009.jpg	

71
2.74
2.74
Water Side
Supplemental
DWR UCIP Field Study

View of waterward slope looking upstream. Matt is standing near CMP riser.

UCIP	3220.jpg

UCIP_3220.jpg	
Levee Mile Report Line	78
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
View of waterward slope	looking at crossing.
UCIP_6739.jpg	







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	81
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
W/S slone has been rens	aired

mhoffman_f_20130917_019.JPG

Levee Mile Report Line	82
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Category	Earthen Levee

L/S slope has been repaired.

mhoffman_f_20130917_018.JPG

Levee Mile Report Line	83
Start Levee Mile	2.88
End Levee Mile	2.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This photo shows a pipe approximately 24 inch in diameter at the landside toe of the levee, the pipe runs parallel with the levee, they are repairing the existing pipe.

mhoffman_f_20130917_029.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	83
Start Levee Mile	2.88
End Levee Mile	2.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments
This is leading from the	

This is looking from the crown of the levee at the pipe repair site. Status of a permit is unknown and no verification of the repair was available.

mhoffman_f_20130917_030.jpg

Levee Mile Report Line	87
Start Levee Mile	3.04
End Levee Mile	3.04
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward side looking at crossing.

UCIP_4502.jpg

Levee Mile Report Line	91
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Overview of levee crown	and slopes looking

upstream at crossing.

UCIP_3260.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	97	
Start Levee Mile	3.72	
End Levee Mile	3.72	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
This photo was taken from the levee crown facing		

This photo was taken from the levee crown facing north looking at walnut trees stacked on the landward slope. Fall 2013.

mhoffman_f_20131028_679.JPG

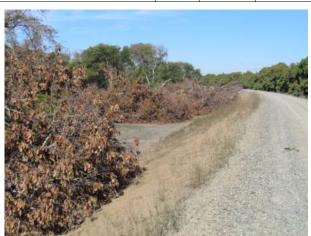
Levee Mile Report Line	98
Start Levee Mile	3.85
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 5.37. This is a photo of the Ag ditch on the landside slope and toe.

mhoffman_f_20130917_024.jpg

Levee Mile Report Line	98
Start Levee Mile	3.85
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Ag ditch landside slope a	ind toe.

mhoffman_f_20130917_025.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintel

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	100
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Overview of levee crown crossing.	looking upstream at
UCIP_5616.jpg	

Levee Mile Report Line	103
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
LISACE 2012 Photo #1	•

USACE 2012 Photo #1

USACE2013_FHR_50-9_R_1.jpg

Levee Mile Report Line	103
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	

USACE2013_FHR_50-9_R_2.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	103
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	

USACE2013_FHR_50-9_R_3.jpg

Levee Mile Report Line	105
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown and slopes at crossing looking upstream.

UCIP	7065.jpg

UCIP_7065.jpg		
Levee Mile Report Line	111	
Start Levee Mile	5.22	
End Levee Mile	5.22	
Location	Water Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Overview of crossing from crown looking U/S		
UCIP_8858.jpg		







Location LS: Land Side WS : Water Side CR : Crown

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N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	113
Start Levee Mile	5.37
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation
MA 7 - Typical levee vegetation	

Typical levee vegetation.

mhoffman_f_20130917_017.JPG

Levee Mile Report Line	114
Start Levee Mile	5.38
End Levee Mile	5.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments

This photo shows the stockpile has been removed.

mhoffman_f_20130917_013.JPG

Levee Mile Report Line	114
Start Levee Mile	5.38
End Levee Mile	5.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments

This photo shows vehicle traffic has cut into the toe of the levee.

mhoffman_f_20130917_012.JPG







Location LS: Land Side WS : Water Side CR : Crown Rating

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	115
Start Levee Mile	5.40
End Levee Mile	5.40
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of waterward side.	

UCIP_7070.jpg

Levee Mile Report Line	122
Start Levee Mile	5.42
End Levee Mile	5.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 5.42. This photo shows a building on the landside crown, shoulder and slope.

mhoffman_f_20130917_022.jpg

Levee Mile Report Line	124
Start Levee Mile	5.49
End Levee Mile	5.49
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side. Concrete headwall located at levee toe.

UCIP_4518.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

400			
139			
6.58			
6.58			
Land Side			
Supplemental			
DWR UCIP Field Study			
View of waterward side and levee crown.			

U	CIF	_,	34	76	5.J	ρç

Levee Mile Report Line	143
Start Levee Mile	7.80
End Levee Mile	7.80
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side and levee crown looking upstream towards crossing.

UCIP	_3484.jpg	

Levee Mile Report Line	145			
Start Levee Mile	8.56			
End Levee Mile	8.56			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
LS slope				
UCIP_8877.jpg				







* Location LS : Land Side WS : Water Side CR : Crown

** Rating

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N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	147	
Start Levee Mile	8.72	
End Levee Mile	8.72	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
LS slope with steel standpipe		

UCIP_8881.jpg

Levee Mile Report Line	149
Start Levee Mile	8.76
End Levee Mile	8.76
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward side and levee crown looking upstream at crossing. Staff is standing adjacent to cavity located on landward shoulder.

UCIP_6894.jpg

Levee Mile Report Line	155
Start Levee Mile	9.67
End Levee Mile	9.67
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side and levee shoulder looking upstream at crossing. Crossing appurtances include concrete riser and power pole.

UCIP_3496.jpg







* Location LS : Land Side WS : Water Side CR : Crown ** Rating

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N : Not Inspected/Rated

: Not inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	158	
Start Levee Mile	9.79	
End Levee Mile	9.79	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
Levee mile 9.79. This photo shows a building at the landside toe.		

mhoffman_f_20130917_028.jpg

Levee Mile Report Line	164
Start Levee Mile	10.12
End Levee Mile	10.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward shoulder and slope looking upstream at crossing.

UCIP_3503.jpg

Levee Mile Report Line	171
Start Levee Mile	10.25
End Levee Mile	10.25
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of waterward side a	and lovee crown looking

View of waterward side and levee crown looking upstream at crossing.

UCIP_7104.jpg







* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	173
Start Levee Mile	10.83
End Levee Mile	10.83
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of waterward side lo and concrete standpipe.	ooking upstream at slope
UCIP 4524.ipg	

Levee Mile Report Line	183
Start Levee Mile	10.95
End Levee Mile	10.95
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward side.

UCIP	3535.jpg

Levee Mile Report Line	185
Start Levee Mile	11.05
End Levee Mile	11.05
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of waterward side to crossing.	ooking upstream at







* Location LS : Land Side WS : Water Side CR : Crown

UCIP_3545.jpg

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

onitor & Maintain En : Enforcer

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	189	
Start Levee Mile	11.17	
End Levee Mile	11.17	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of waterward side looking upstream at crossing. CMP riser located on waterward shoulder.		

Levee Mile Report Line	194
Start Levee Mile	11.24
End Levee Mile	11.24
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP_3565.jpg

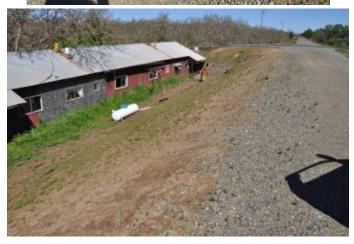
UCIP_3555.jpg

Levee Mile Report Line	199	
Start Levee Mile	11.24	
End Levee Mile	11.24	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
L/S levee toe- Abandoned building.		

mhoffman_f_20130917_021.JPG







Location LS: Land Side WS : Water Side CR : Crown

A : Acceptable
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U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monit : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	200		
Start Levee Mile	11.28		
End Levee Mile	11.28		
Location	Land Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
View of waterward side looking upstream at crossing.			

Levee Mile Report Line	209
Start Levee Mile	11.39
End Levee Mile	11.39
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP_6937.jpg

_ ,, 0		
Levee Mile Report Line	213	
Start Levee Mile	11.52	
End Levee Mile	11.52	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of waterward side looking upstream at crossing.		







Location LS: Land Side WS : Water Side CR : Crown

UCIP_3603.jpg

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	217		
Start Levee Mile	11 63		
End Levee Mile	11.69		
Location	Land Side		
Category	Earthen Levee		
Item	Vegetation		
Landside landscaping le	Landside landscaping levee mile 11.63.		
, 5			
I .			

mhoffman_f_20130917_027.jpg

Levee Mile Report Line	218
Start Levee Mile	11.68
End Levee Mile	11.68
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crosssing.

UCIP_4548.jpg

Сопто-то-јру	
Levee Mile Report Line	224
Start Levee Mile	88.56
End Levee Mile	88.56
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS slope	
UCIP_8872.jpg	





